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FIG. 3

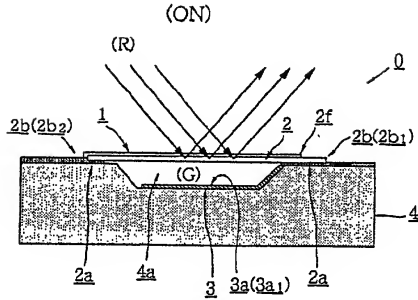
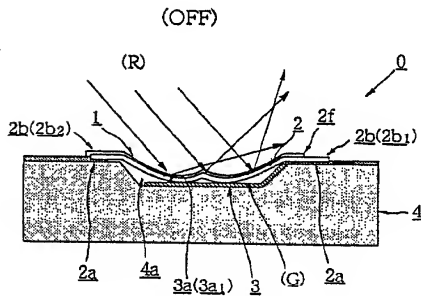


FIG. 4



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FIG. 5

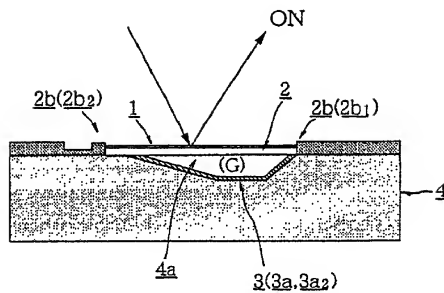
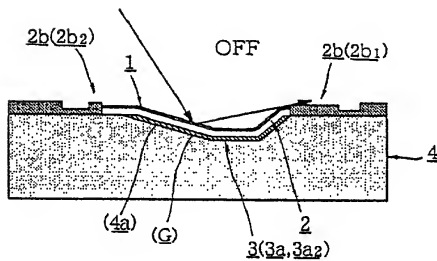


FIG. 6



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FIG. 7

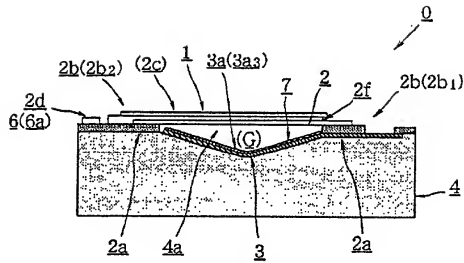
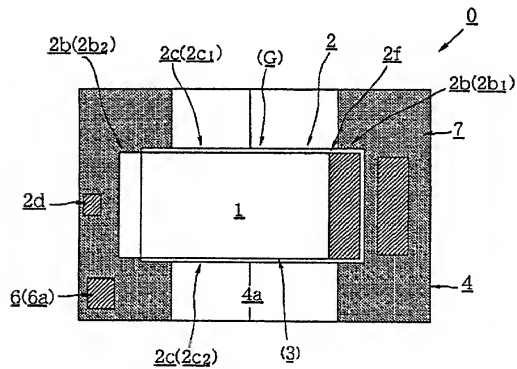
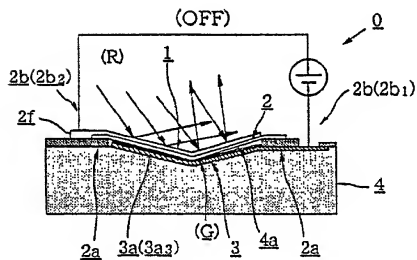


FIG. 8



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FIG. 9



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FIG. 11

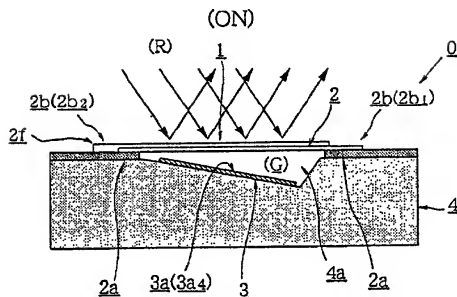
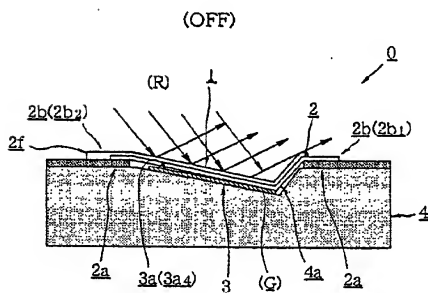


FIG. 12



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FIG. 13

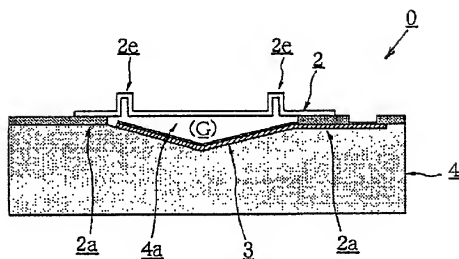


FIG. 14

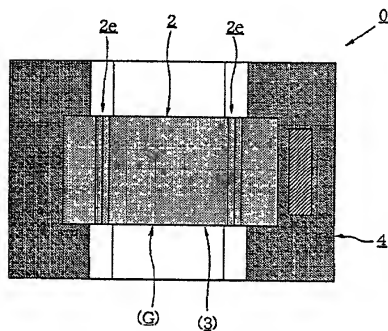
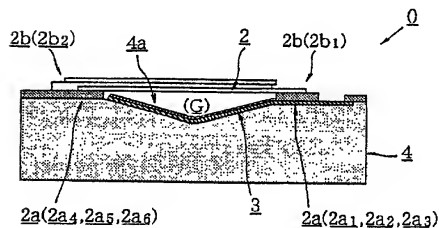


FIG. 15



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FIG. 16

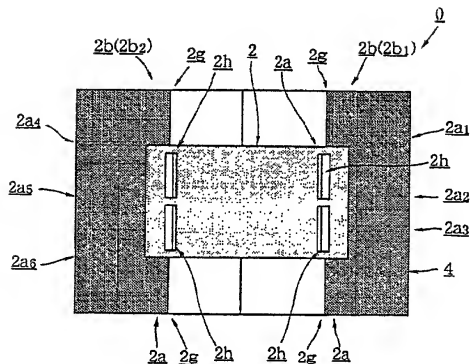


FIG. 17

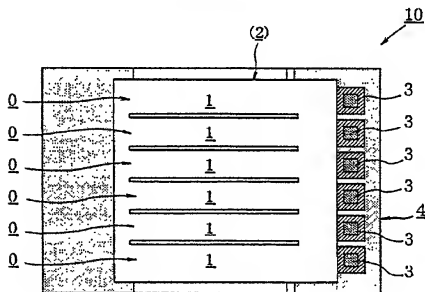
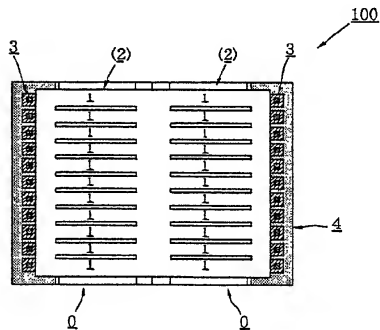


FIG. 18



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FIG. 19

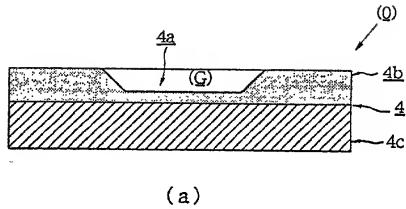


FIG. 20

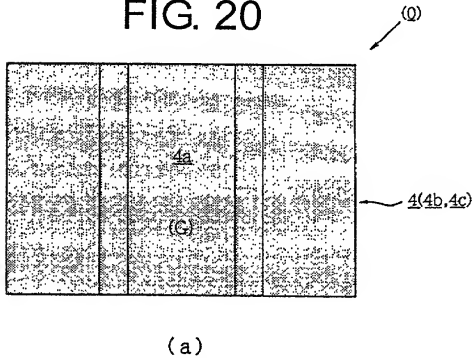
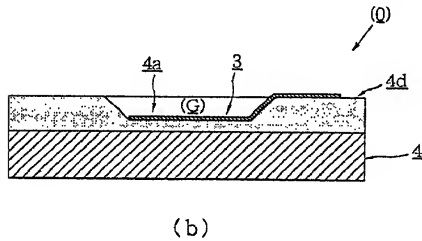
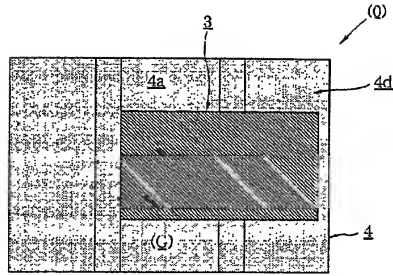


FIG. 21



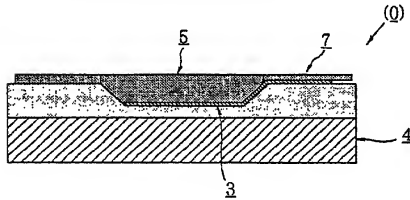
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FIG. 22



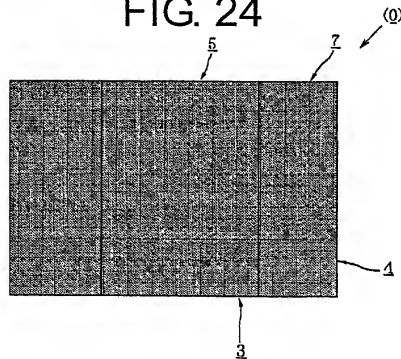
(b)

FIG. 23



(c)

FIG. 24



(c)

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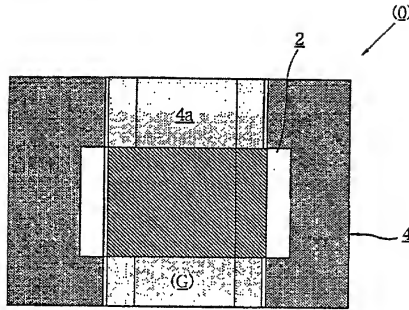


(d)

(e)

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FIG. 28



(e)

FIG. 29

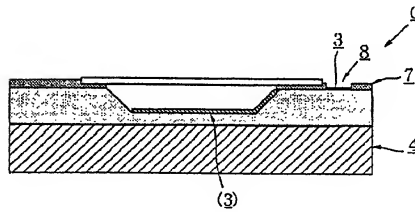
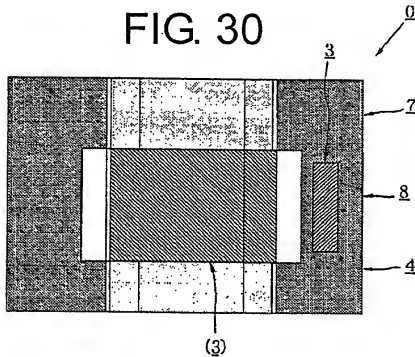
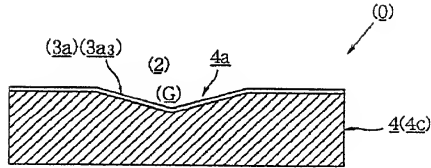


FIG. 30



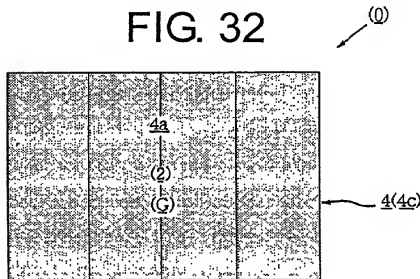
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FIG. 31



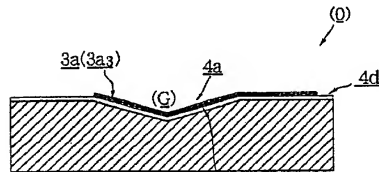
(a)

FIG. 32



(a)

FIG. 33



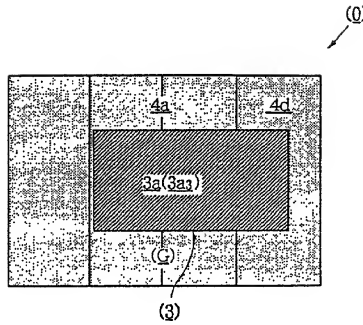
(b)

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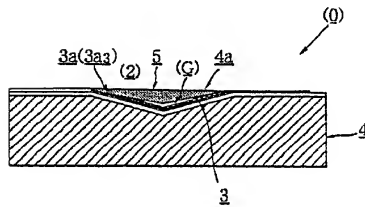
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FIG. 34



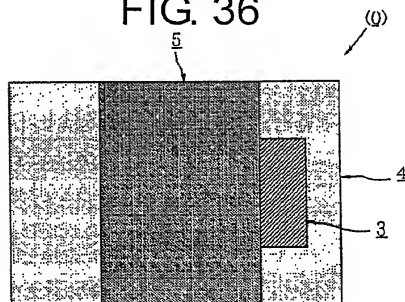
(b)

FIG. 35



(c)

FIG. 36

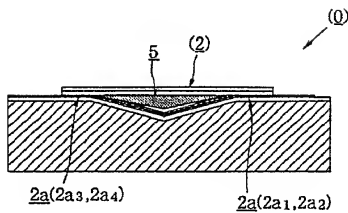


(c)

202107059805007

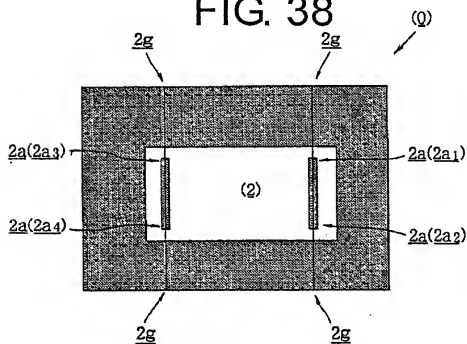
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FIG. 37



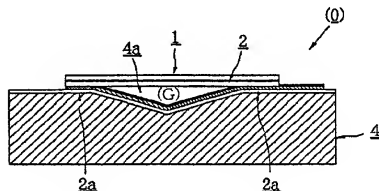
(d)

FIG. 38



(d)

FIG. 39



(e)

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FIG. 40

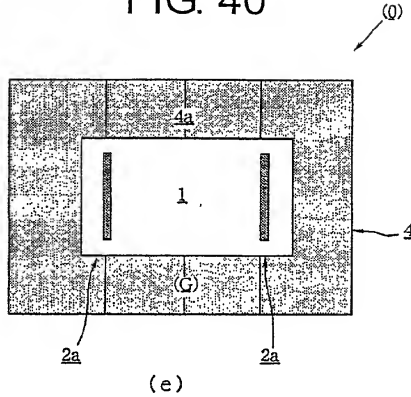


FIG. 41

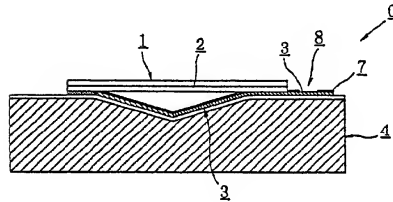
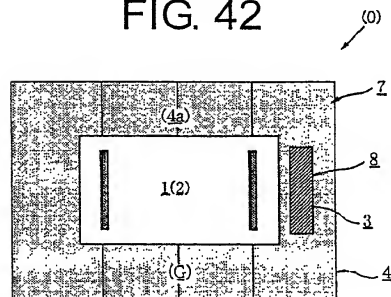


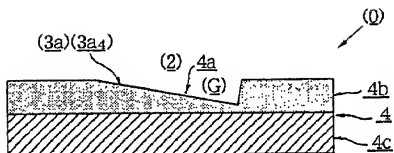
FIG. 42



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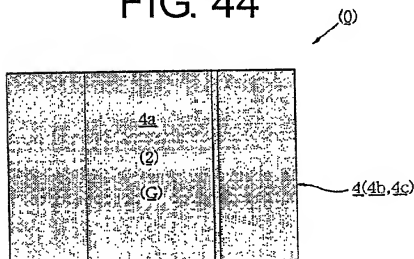
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FIG. 43



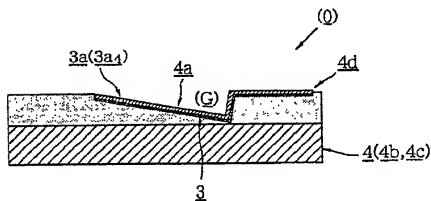
(a)

FIG. 44



(a)

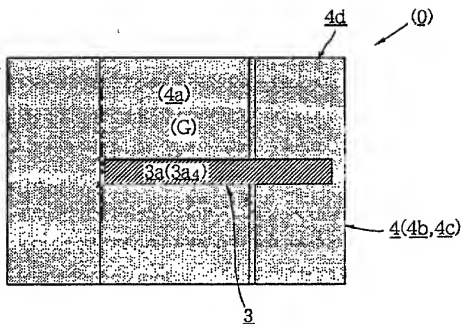
FIG. 45



(b)

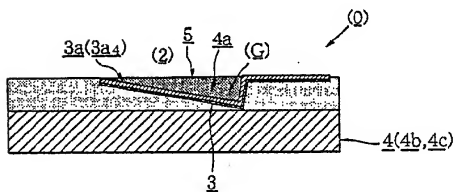
10050365.011802

FIG. 46



(b)

FIG. 47

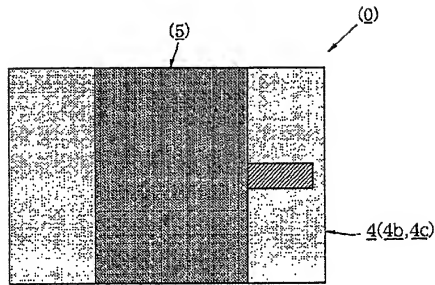


(c)

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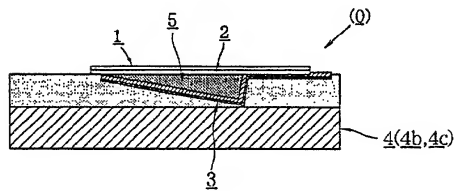
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FIG. 48



(c)

FIG. 49

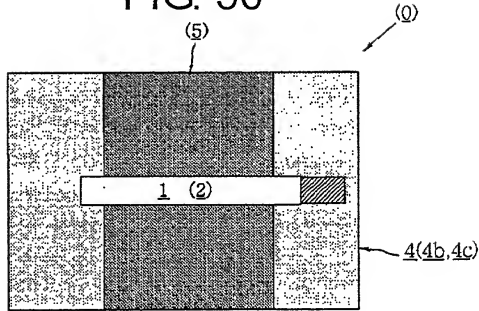


(d)

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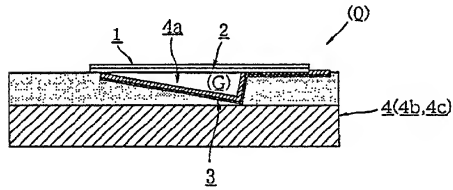
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FIG. 50



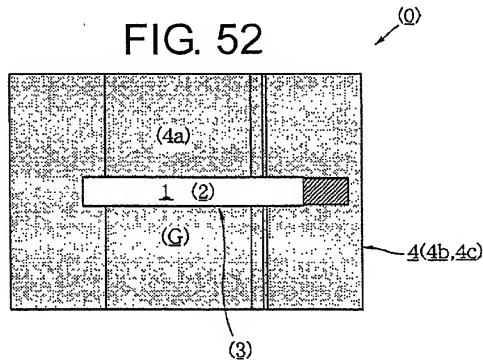
(d)

FIG. 51



(e)

FIG. 52



(e)

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FIG. 53

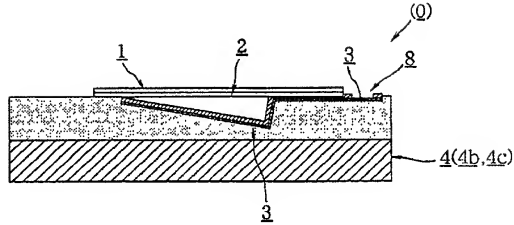


FIG. 54

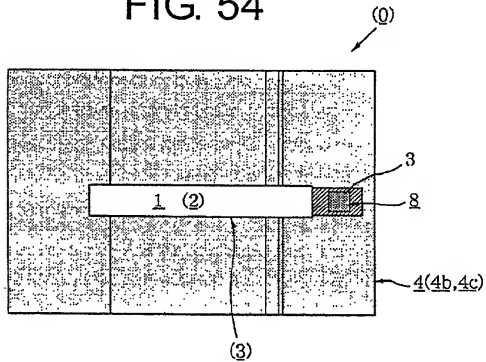
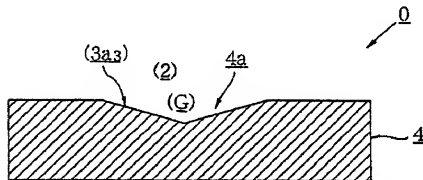


FIG. 55

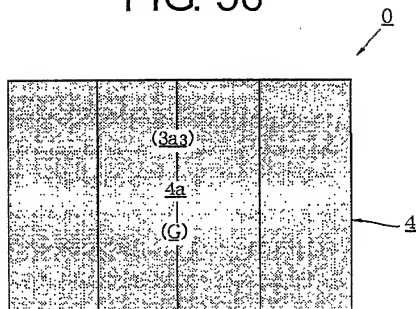


(a)

208110.59805007

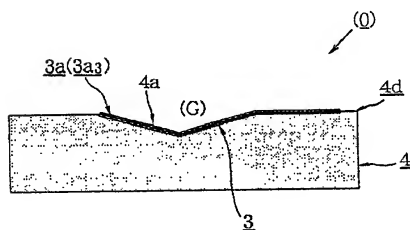
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FIG. 56



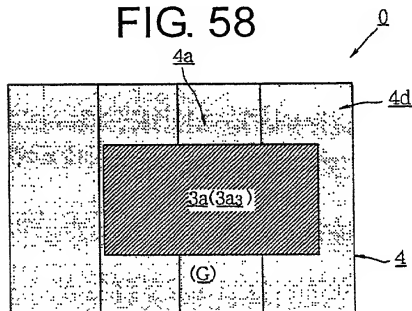
(a)

FIG. 57



(b)

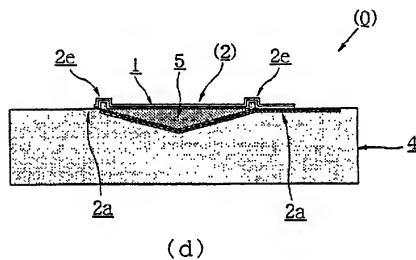
FIG. 58



(b)

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FIG. 62

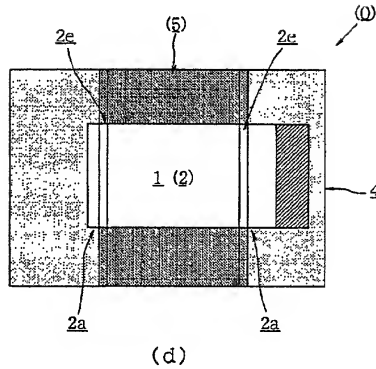
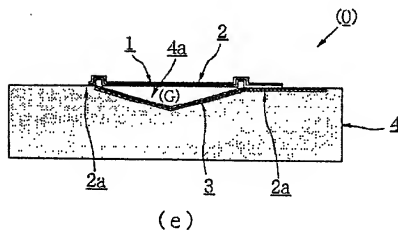


FIG. 63



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FIG. 64

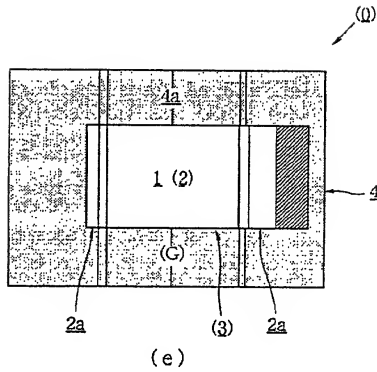
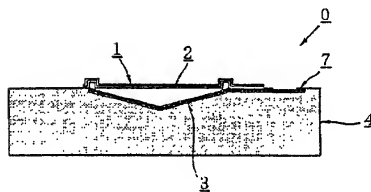


FIG. 65



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FIG. 66

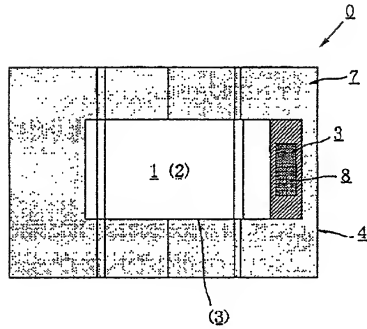
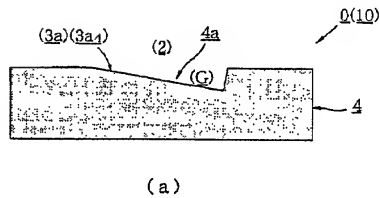
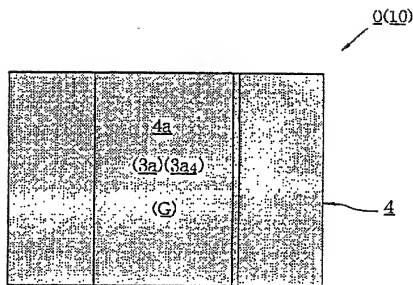


FIG. 67



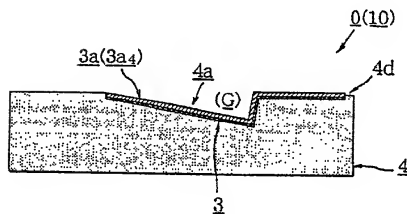
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FIG. 68



(a)

FIG. 69



(b)

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FIG. 70

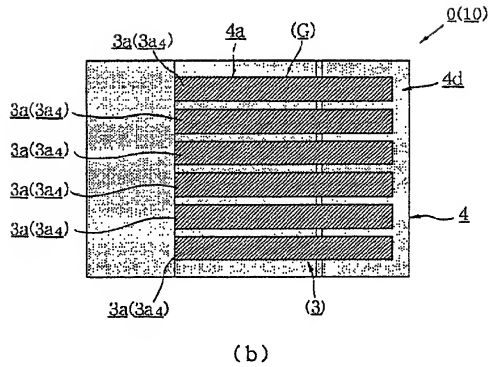
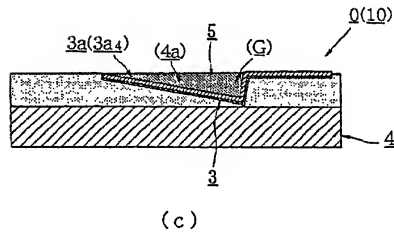


FIG. 71



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FIG. 72

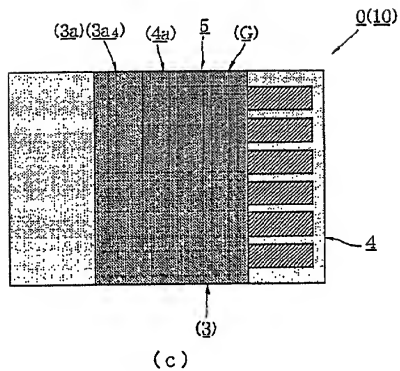
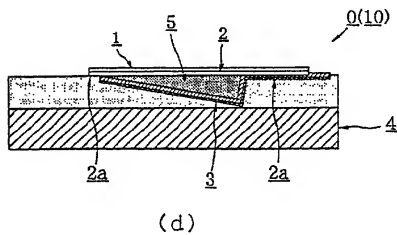


FIG. 73



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FIG. 74

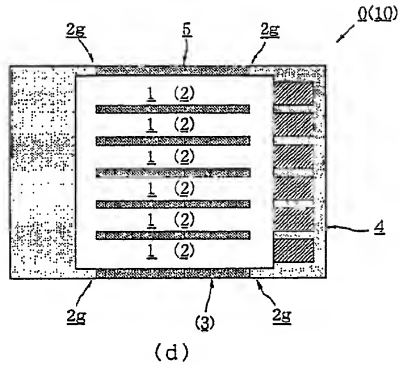
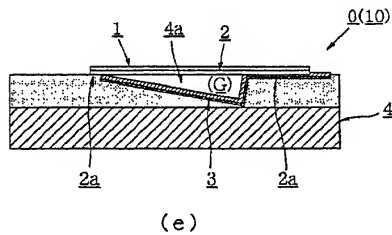


FIG. 75



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FIG. 76

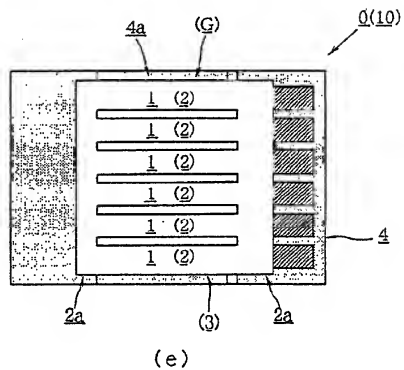
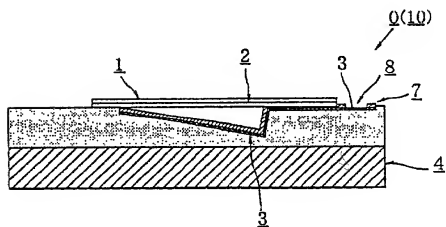
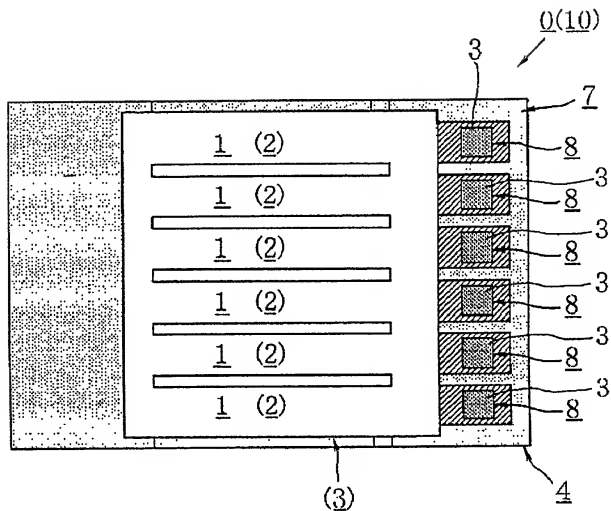


FIG. 77



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FIG. 78



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FIG. 79

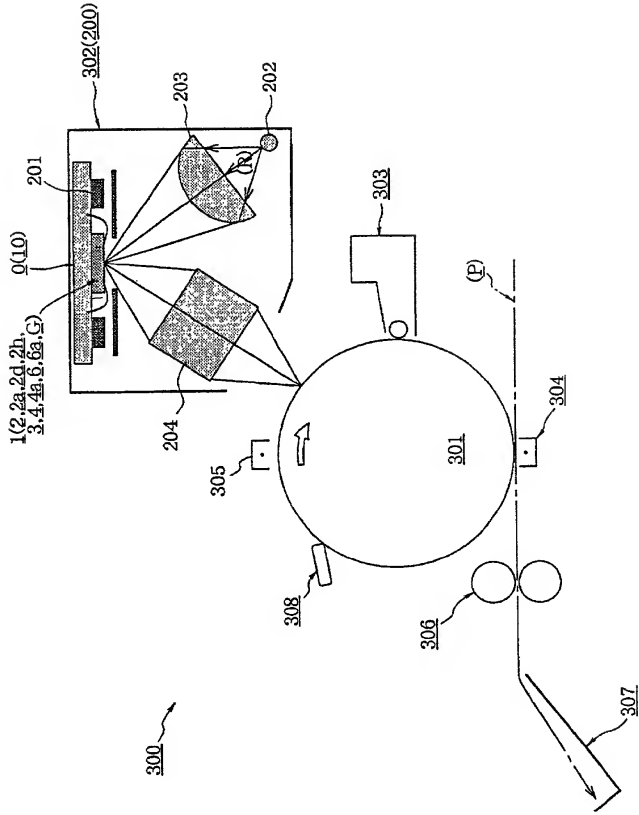
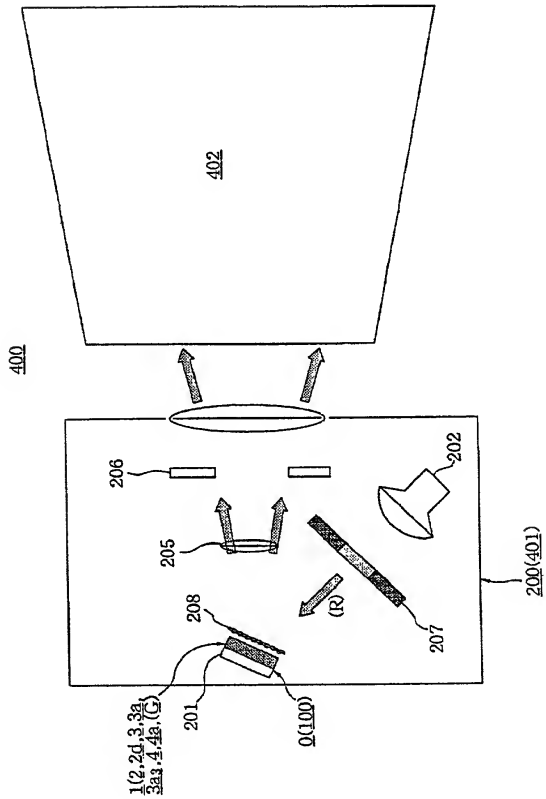
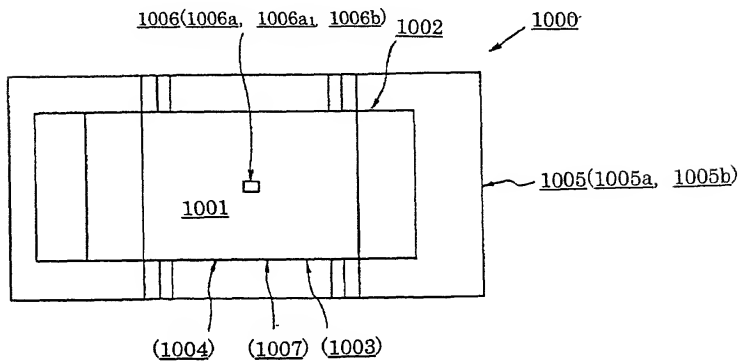
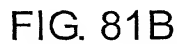


FIG. 80





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FIG. 82A

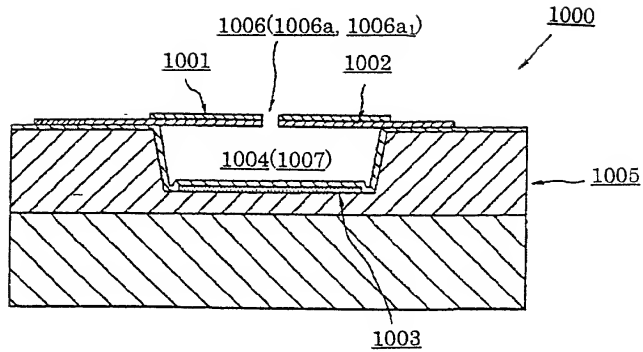
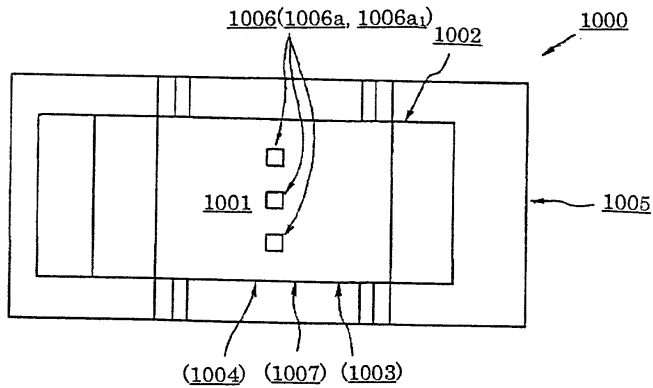


FIG. 82B



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FIG. 83A

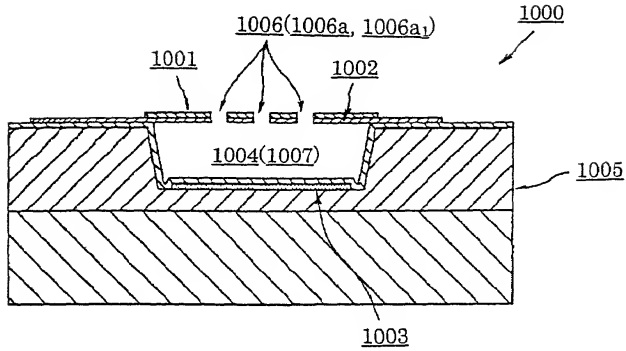
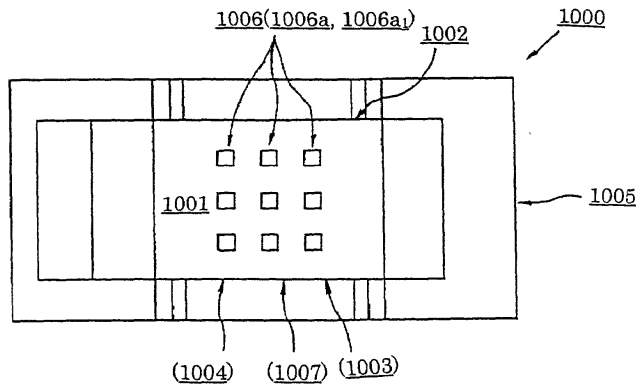


FIG. 83B



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FIG. 84A

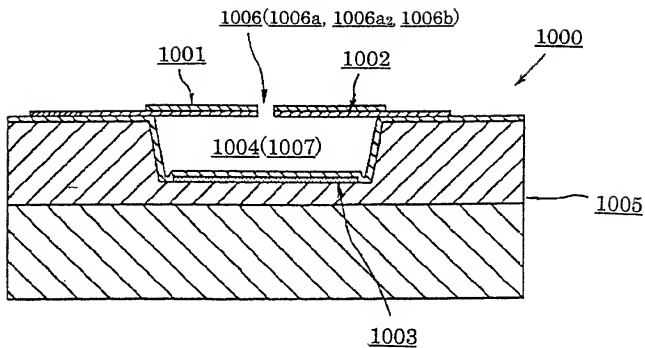
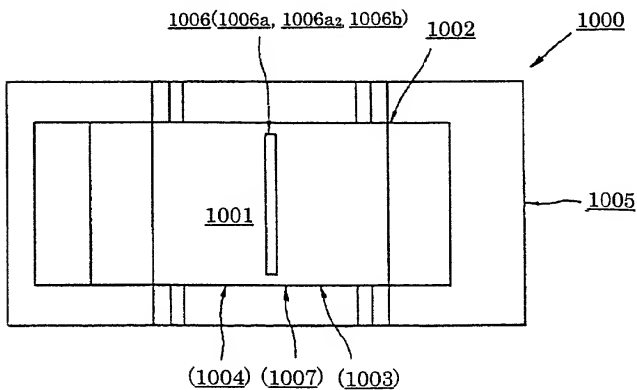


FIG. 84B



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FIG. 85C

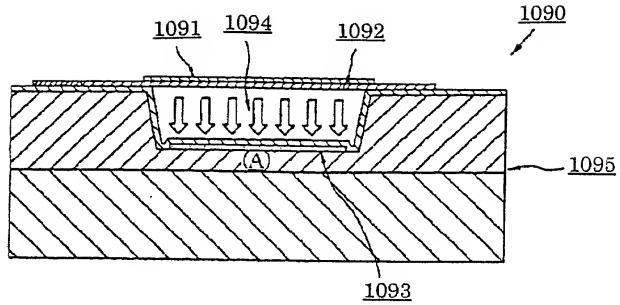
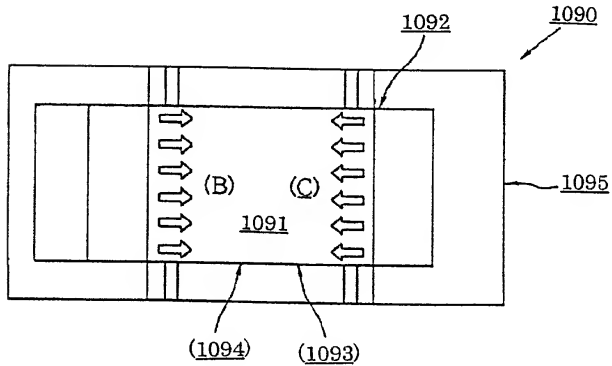


FIG. 85D



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FIG. 86E

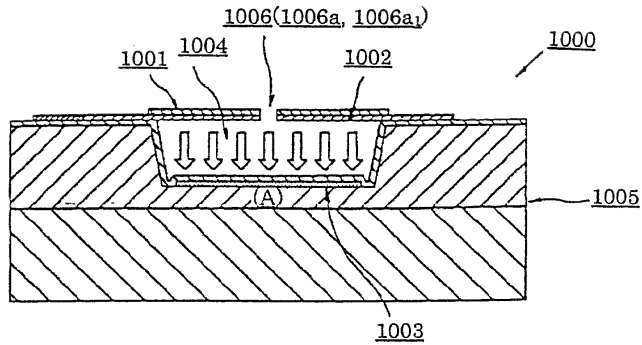
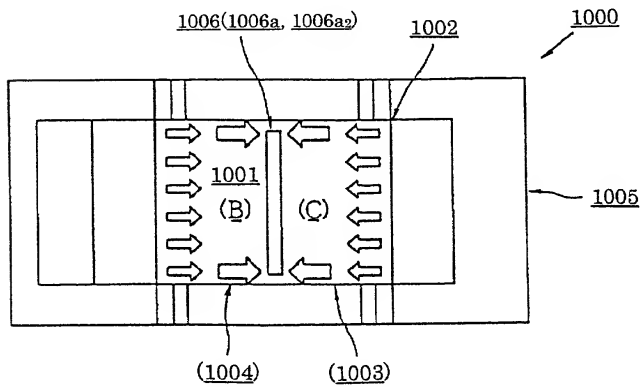


FIG. 86F



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FIG. 87A

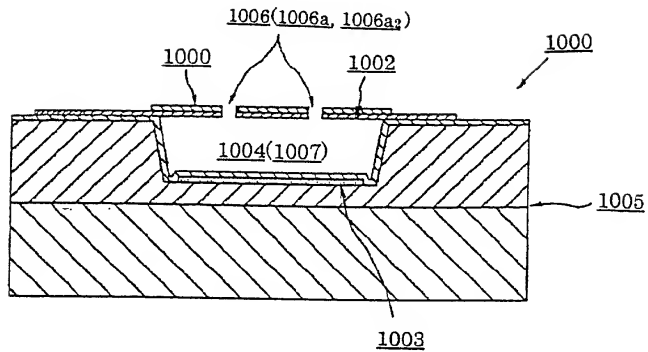
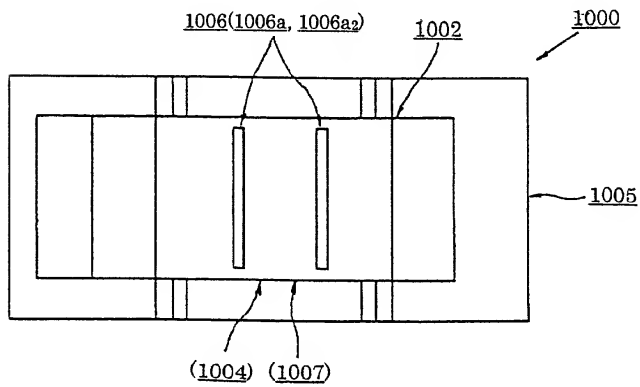


FIG. 87B



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FIG. 88A

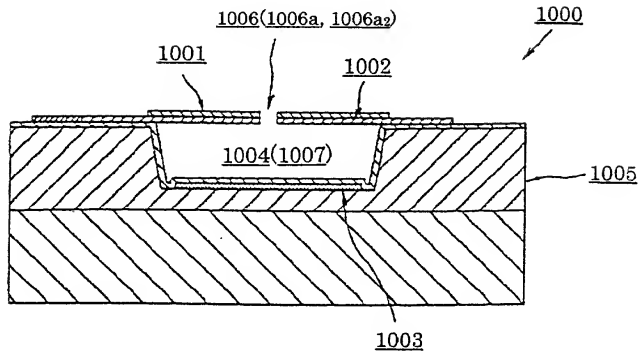
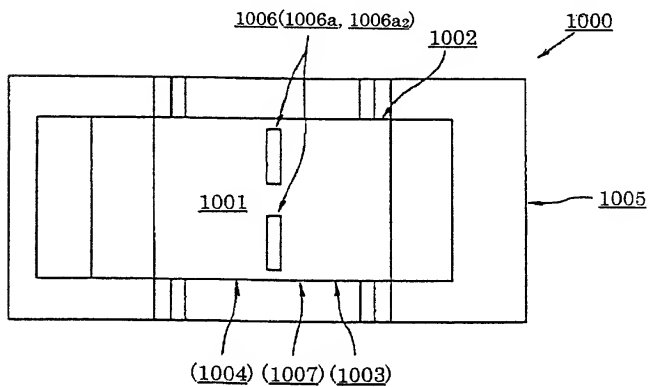


FIG. 88B



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FIG. 89A

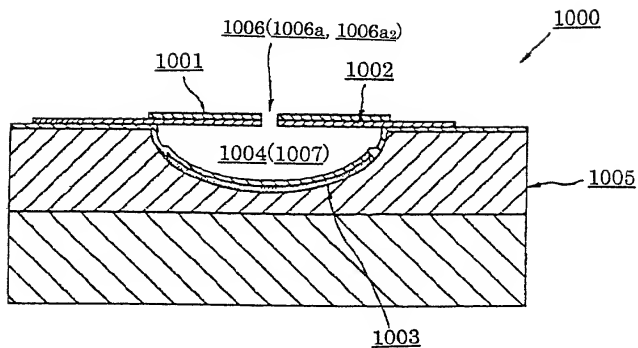


FIG. 89B

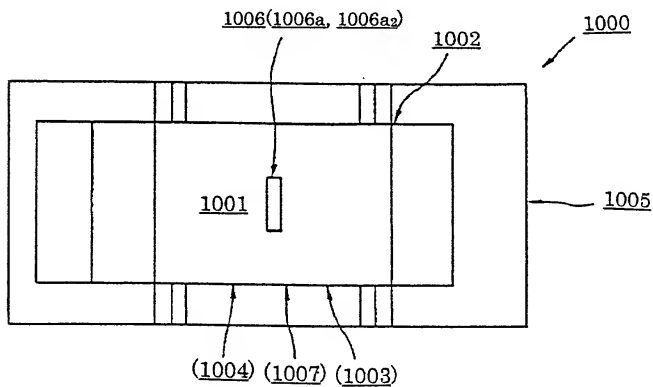


FIG. 90A

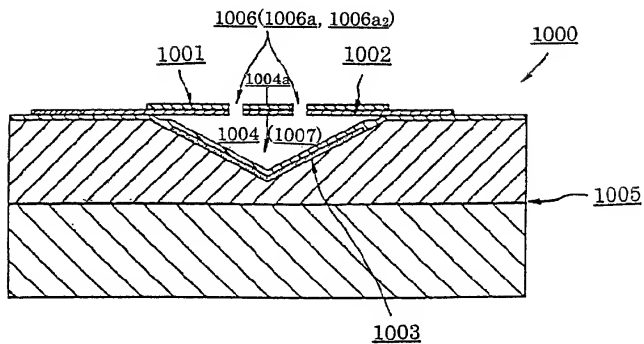
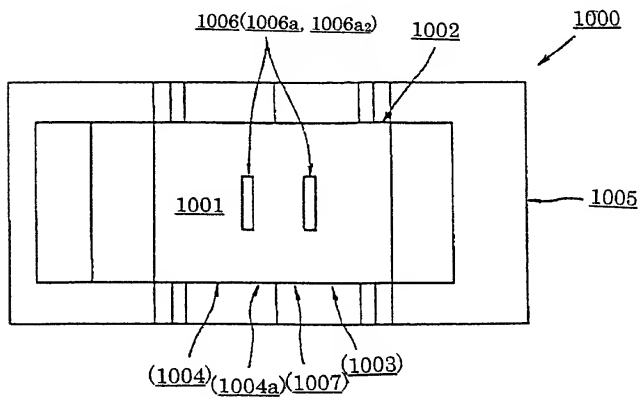


FIG. 90B



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FIG. 91A

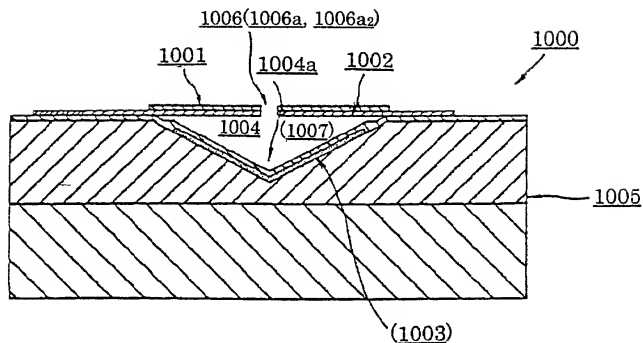
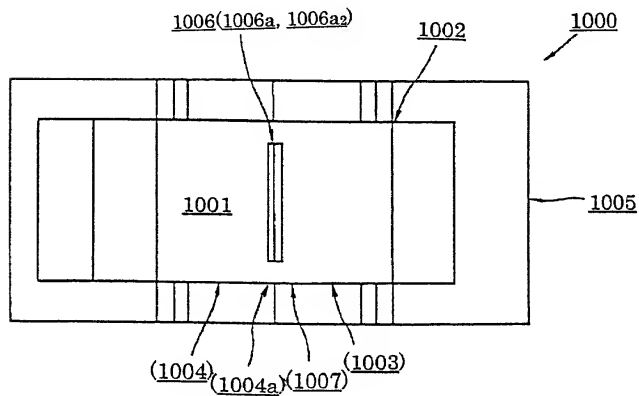


FIG. 91B



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FIG. 92A

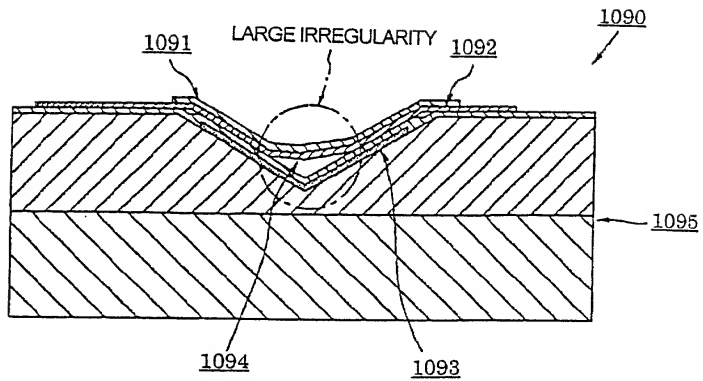
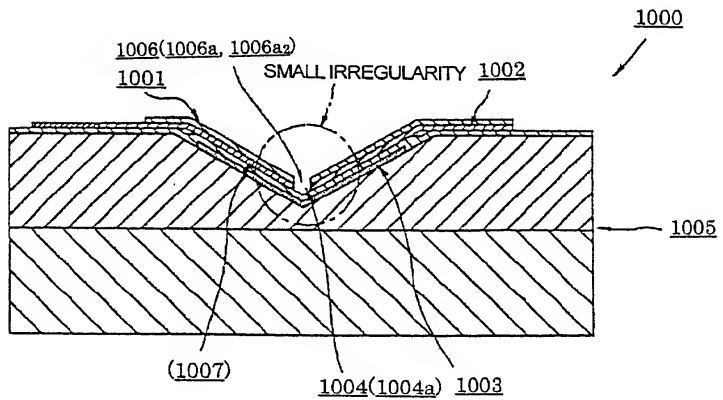


FIG. 92B



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FIG. 93A

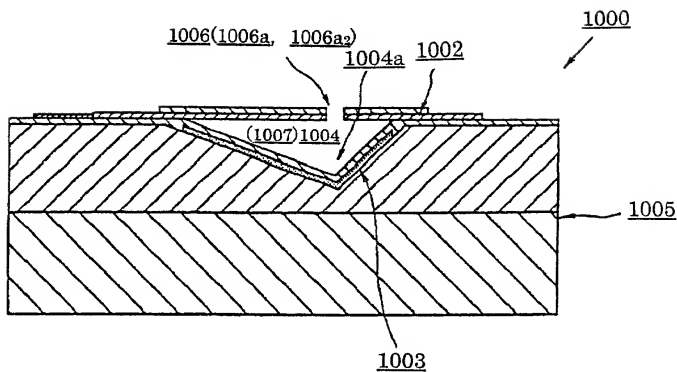
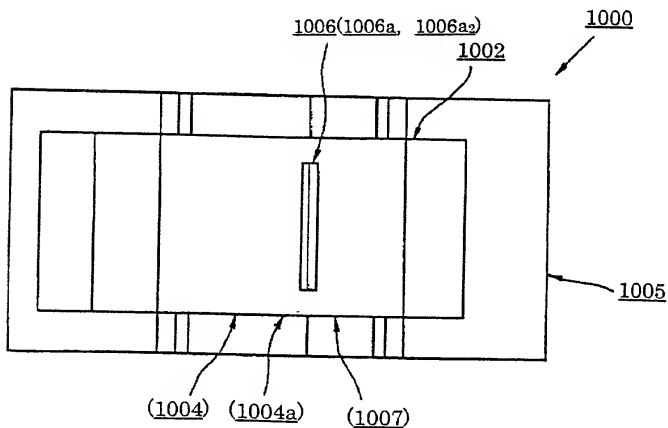


FIG. 93B



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FIG. 94A

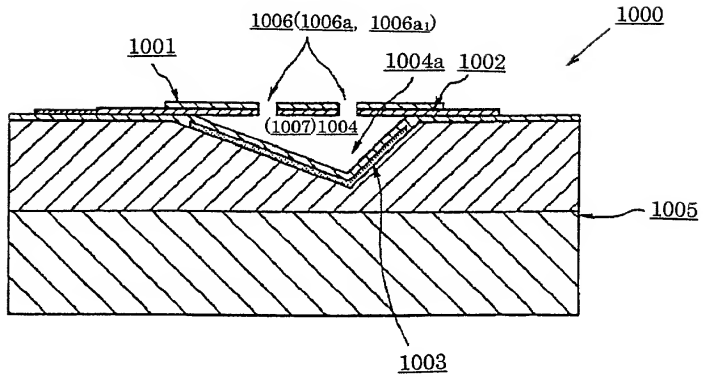
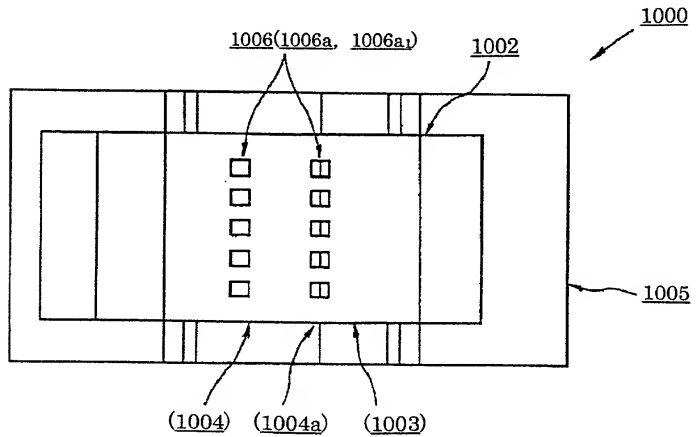


FIG. 94B



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FIG. 95C

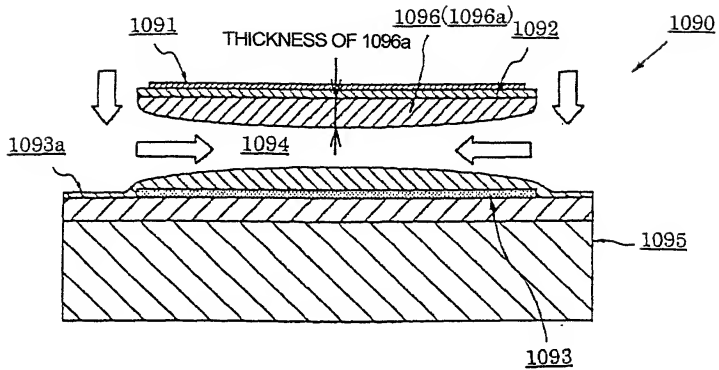
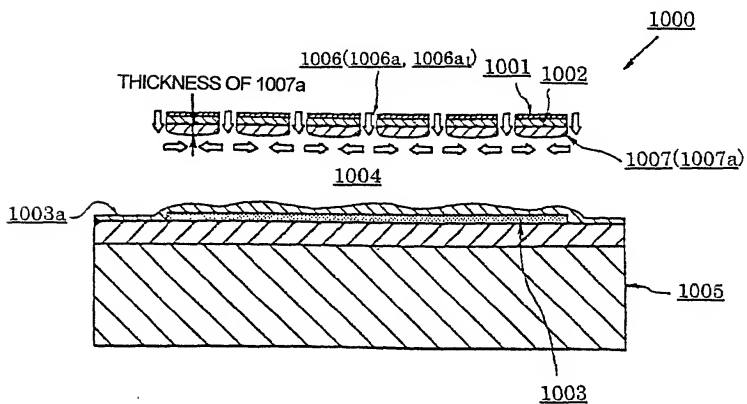


FIG. 95D



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FIG. 96A

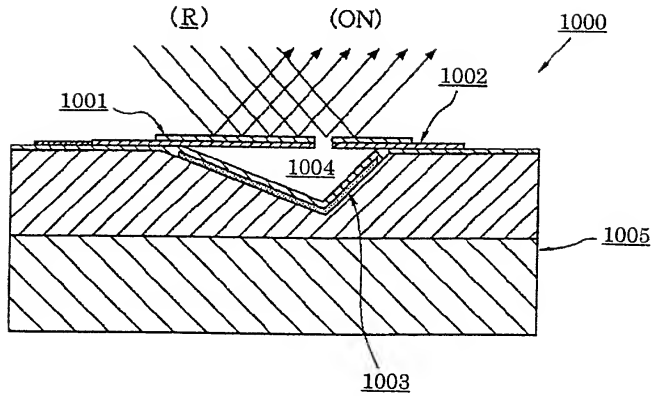


FIG. 96B

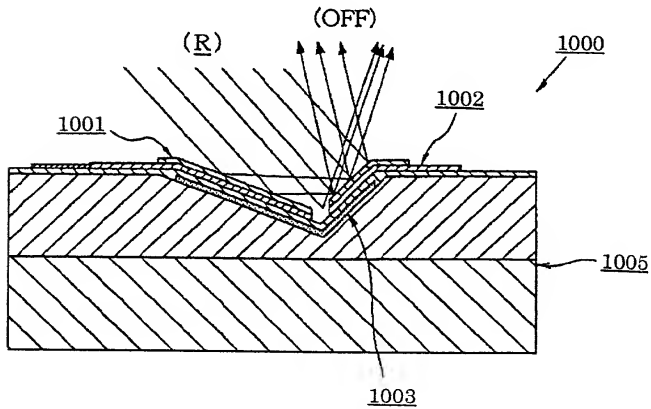


FIG. 97A

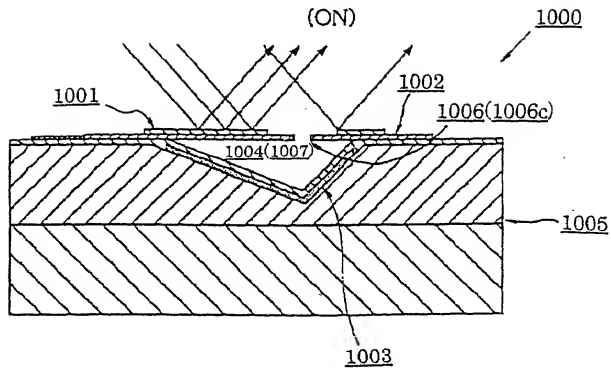
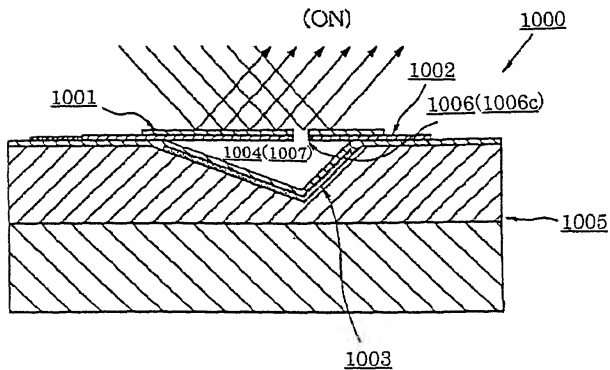


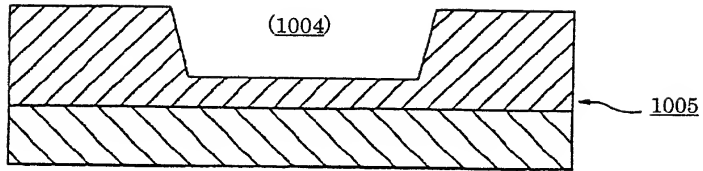
FIG. 97B



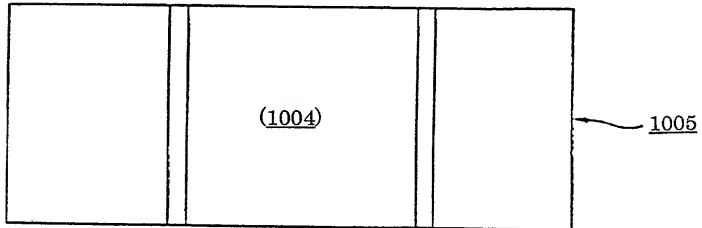
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FIG. 98

(a)



CROSS-SECTIONAL VIEW



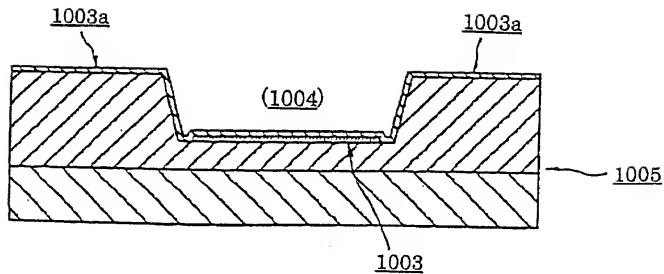
PLAN VIEW

208710-59805007
10050865-011802

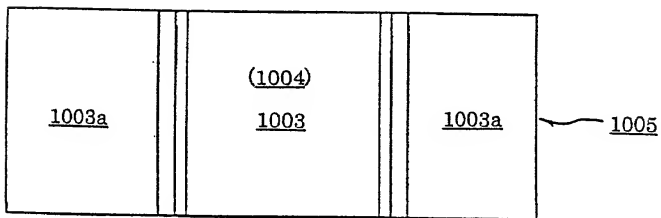
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FIG. 99

(b)



CROSS-SECTIONAL VIEW



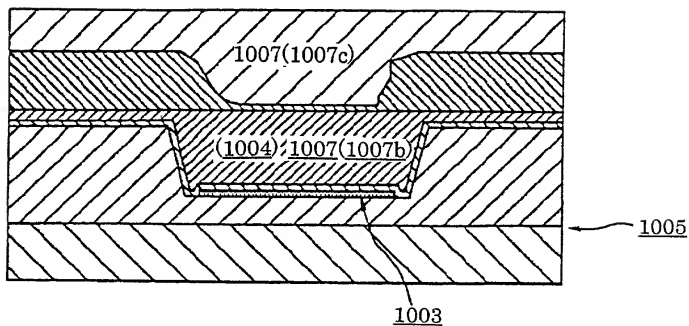
PLAN VIEW

202110.59805007

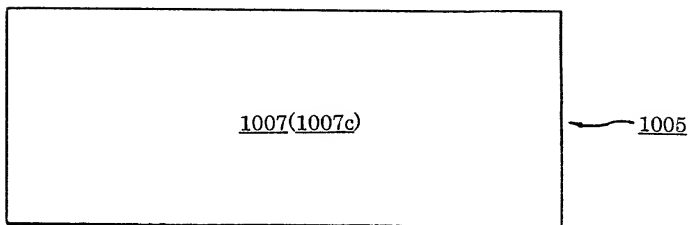
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FIG. 100

(c)



CROSS-SECTIONAL VIEW

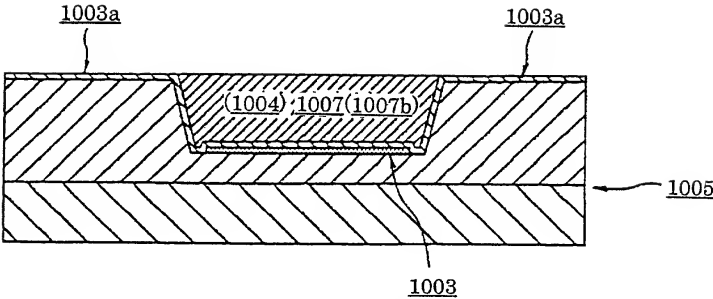


PLAN VIEW

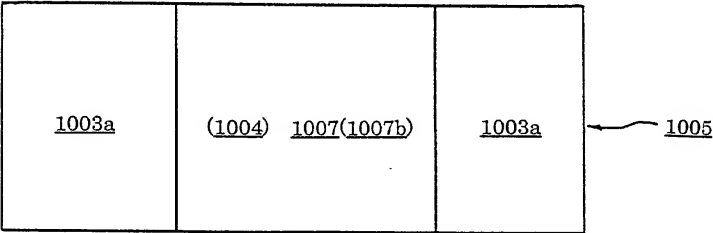
10050865-011802

FIG. 101

(d)



CROSS-SECTIONAL VIEW



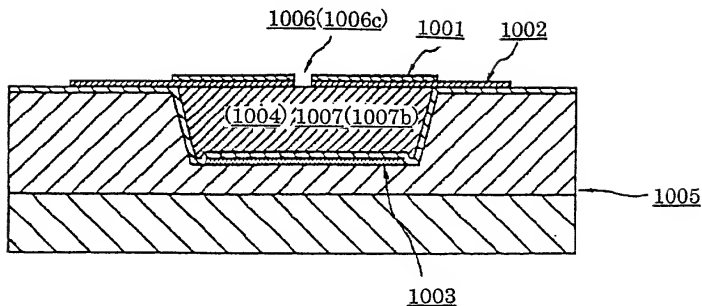
PLAN VIEW

10050865-011802

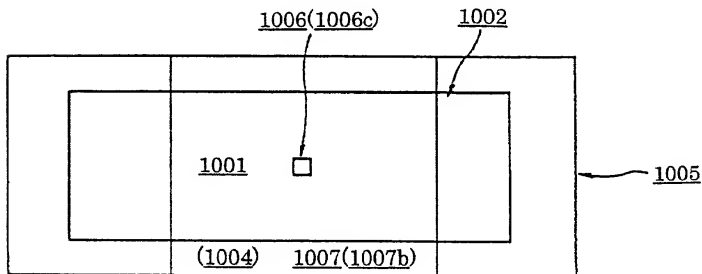
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FIG. 102

(e)



CROSS-SECTIONAL VIEW



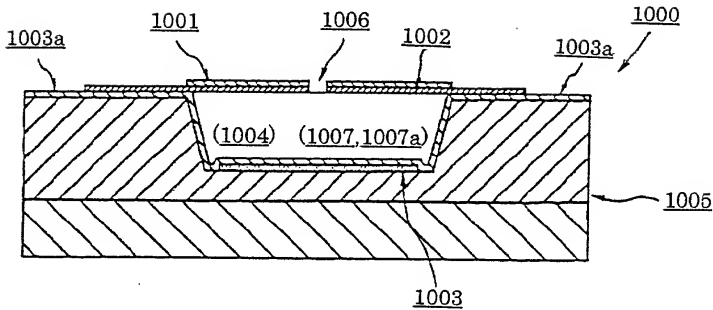
PLAN VIEW

208710" 59805007

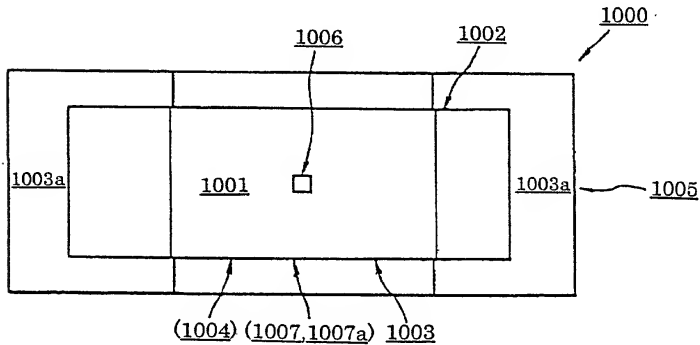
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FIG. 103

(f)



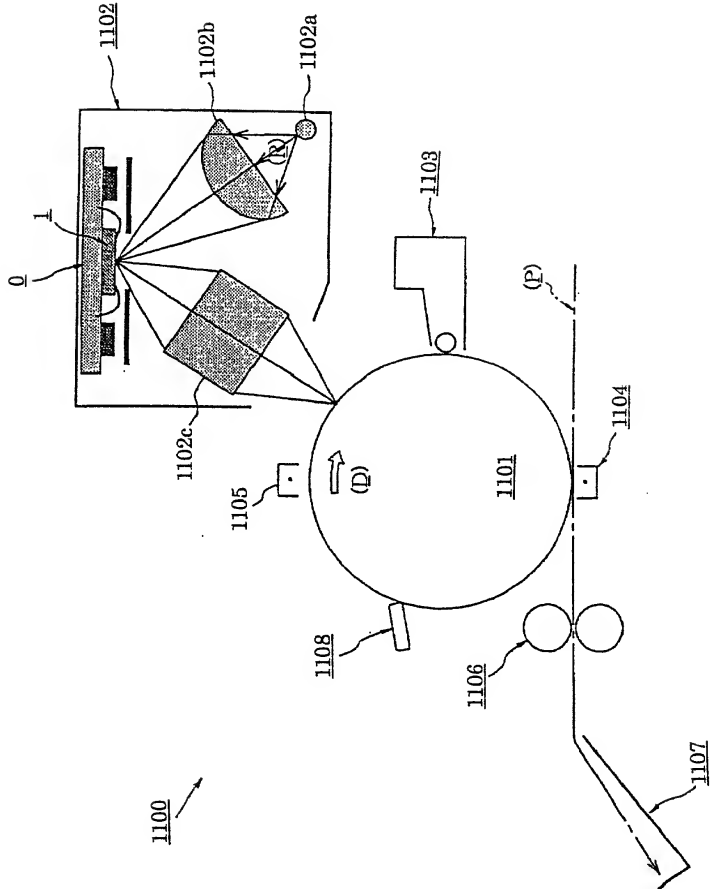
CROSS-SECTIONAL VIEW



PLAN VIEW

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FIG. 104



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FIG. 105

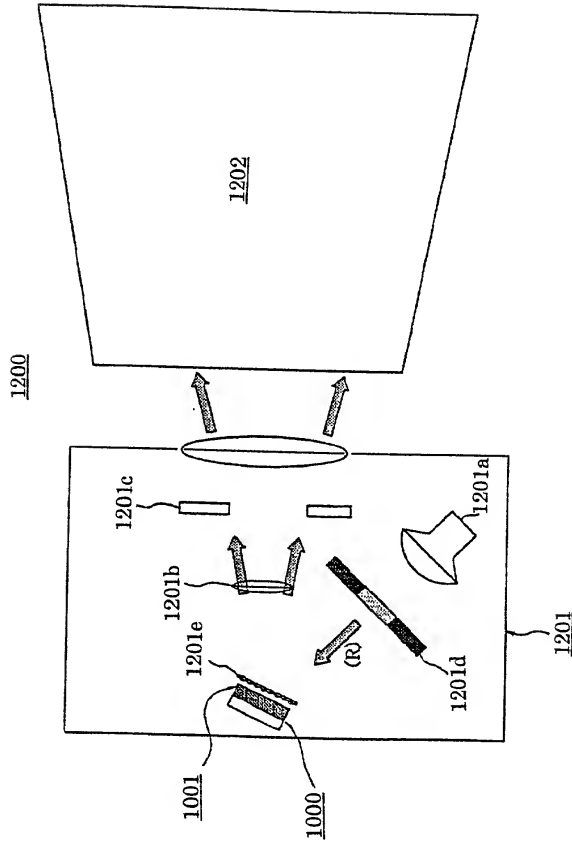


FIG. 106A

FIG. 106B

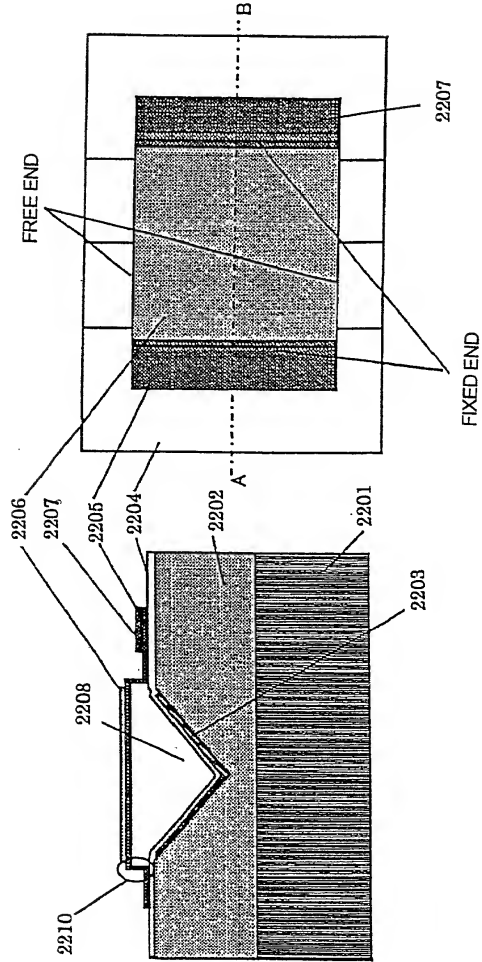
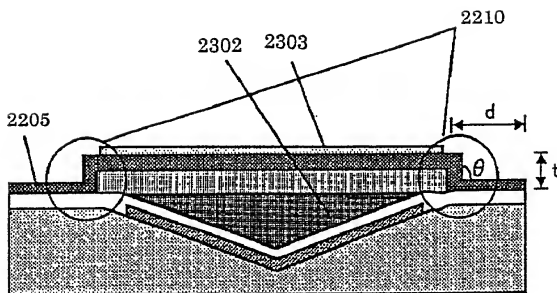


FIG. 107



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FIG. 108A

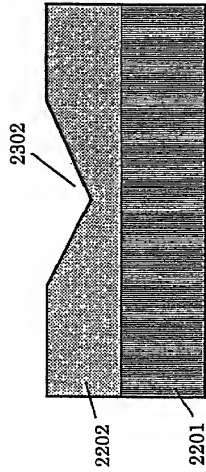
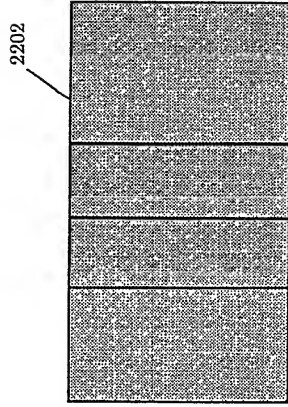


FIG. 108B



208710" 5980500F

FIG. 109A

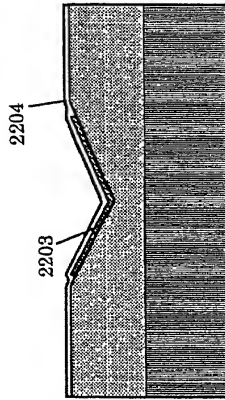


FIG. 109B

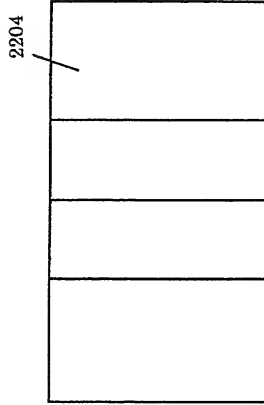


FIG. 110A

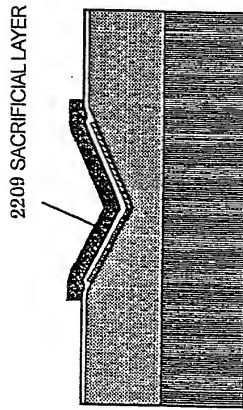


FIG. 110B

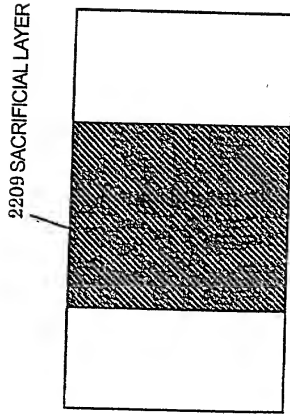


FIG. 111A

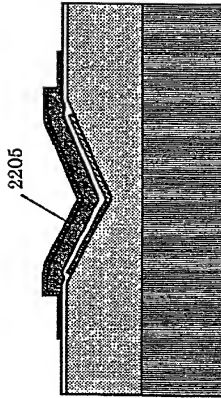


FIG. 111B

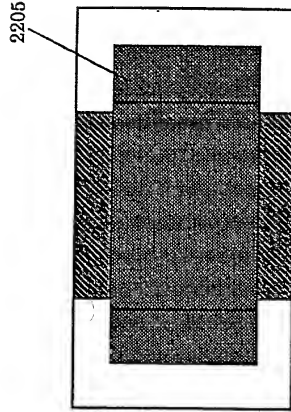


FIG. 112A

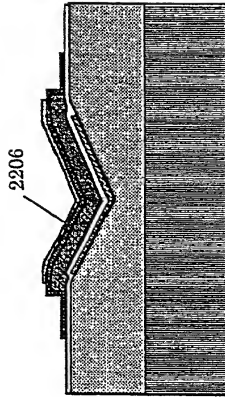
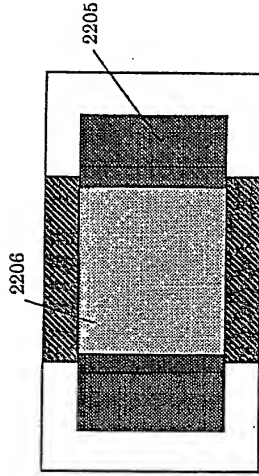


FIG. 112B



208FTD" 5980500T

FIG. 113A

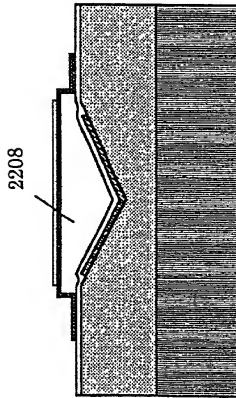


FIG. 113B

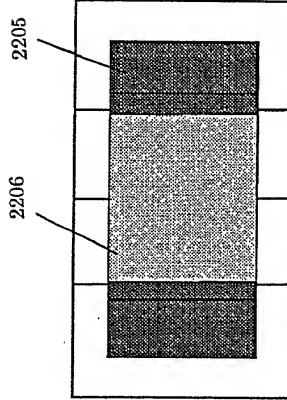


FIG. 114A

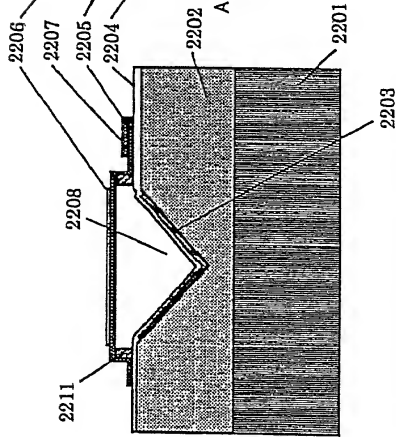


FIG. 114B

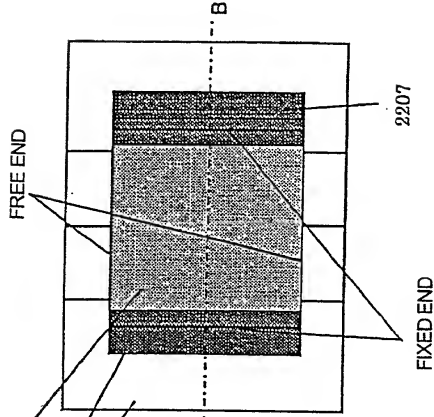


FIG. 115A

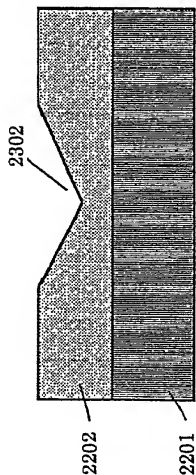
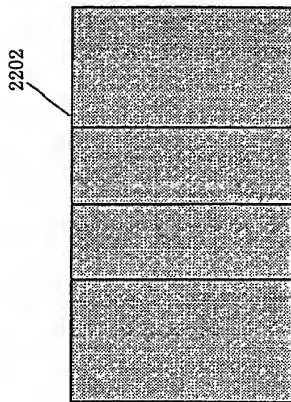


FIG. 115B



208TTD"5982500T

FIG. 116A

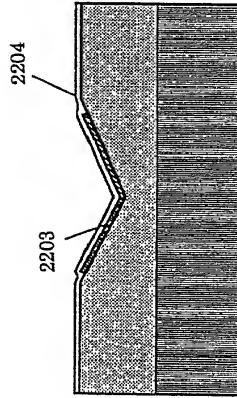
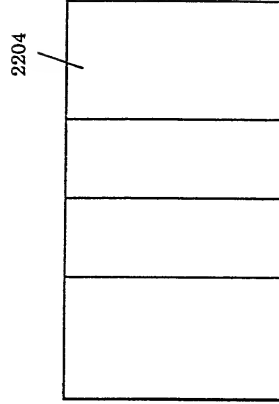


FIG. 116B



208710" 5980500F

FIG. 117A

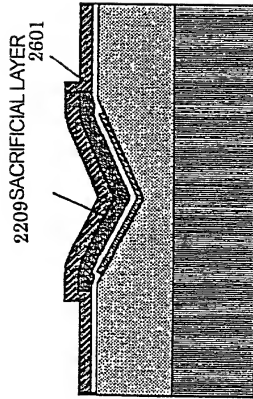


FIG. 117B

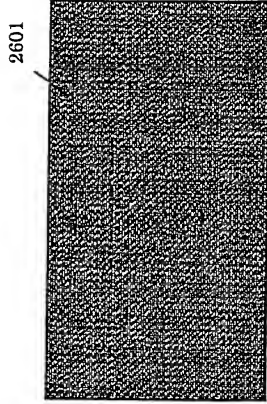


FIG. 118A

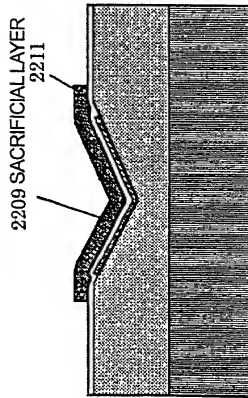


FIG. 118B

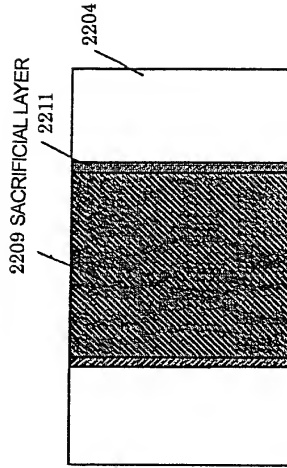


FIG. 119A

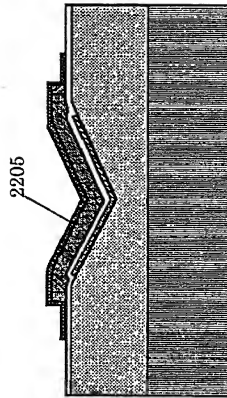
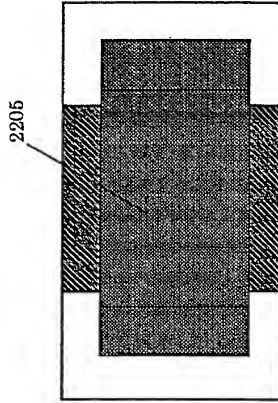


FIG. 119B



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FIG. 120A

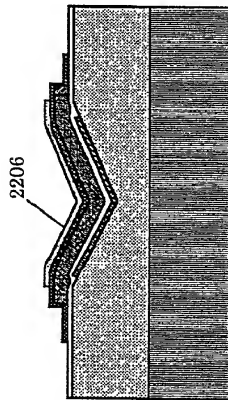
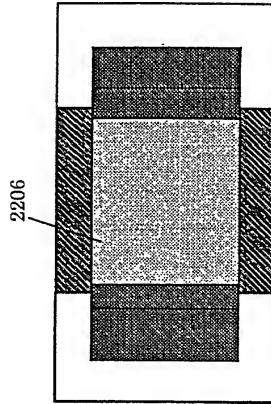


FIG. 120B



208TT0-5980500T

FIG. 121A

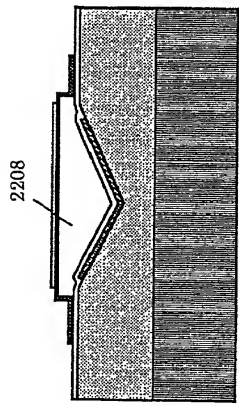


FIG. 121B

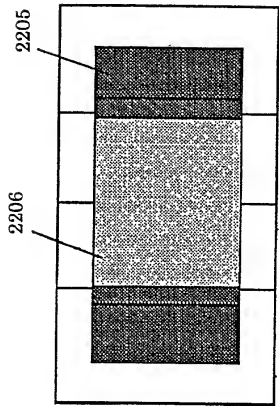
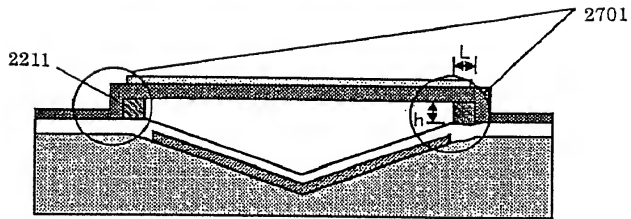


FIG. 122



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FIG. 123A

BEFORE REMOVAL OF SACRIFICIAL LAYER

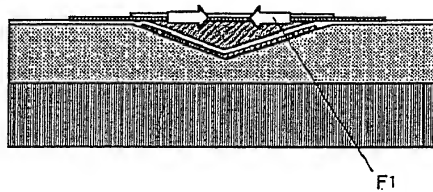


FIG. 123B

AFTER REMOVAL OF SACRIFICIAL LAYER

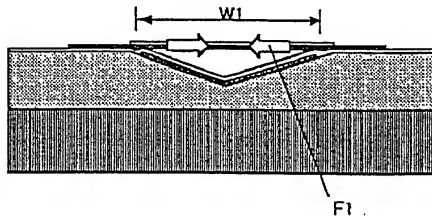


FIG. 124A

BEFORE REMOVAL OF SACRIFICIAL LAYER

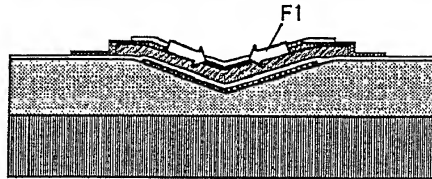
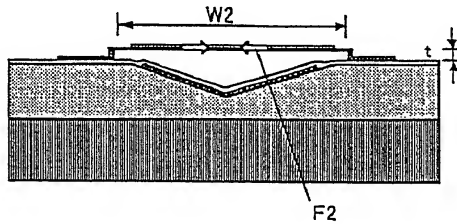


FIG. 124B

AFTER REMOVAL OF SACRIFICIAL LAYER



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FIG. 125A

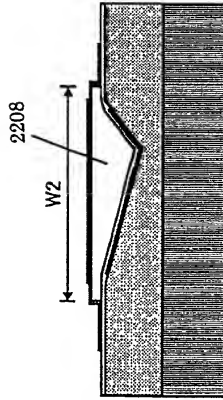


FIG. 125B

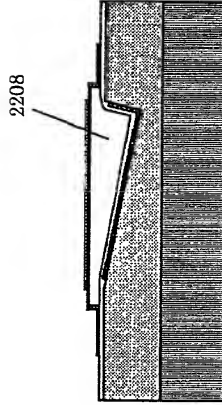


FIG. 126A

WHEN NO VOLTAGE IS APPLIED (ON OPERATION STATE)

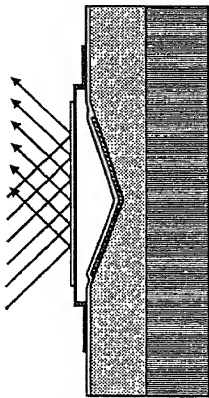


FIG 126C

WHEN HIGH VOLTAGE IS APPLIED (OFF OPERATION STATE)

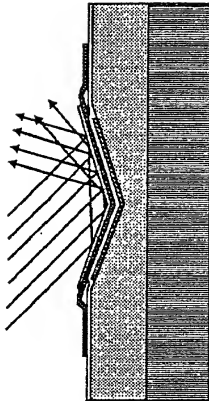


FIG. 126B

WHEN LOW VOLTAGE IS APPLIED (TRANSIENT STATE)

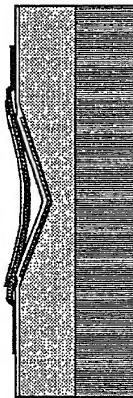
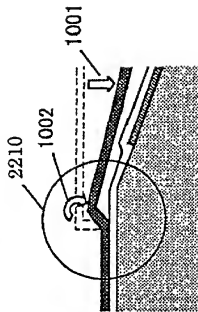


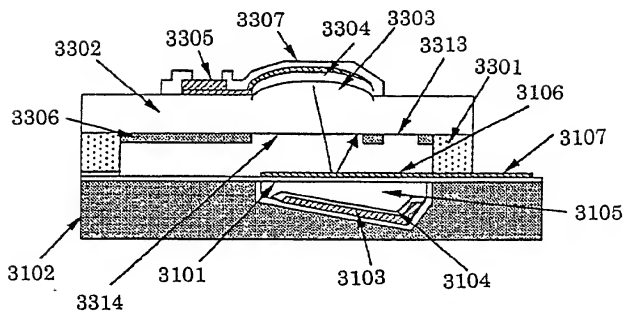
FIG 126D

DEFORMATION OF FIXED SECTION IN TRANSIENT STATE



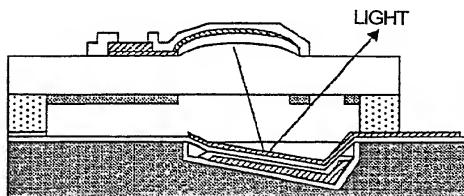
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FIG. 127A



NON-DRIVEN STATE

FIG. 127B



DRIVEN STATE

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FIG. 128A

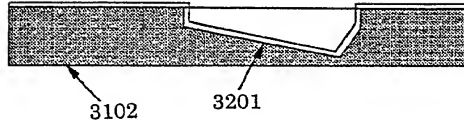


FIG 128B

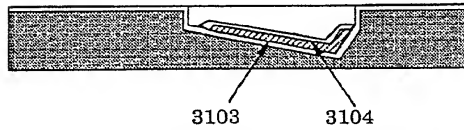


FIG 128C

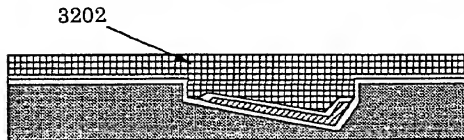
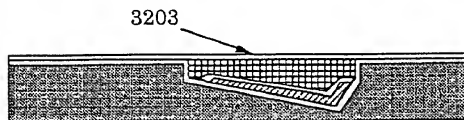


FIG 128D



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FIG. 129A

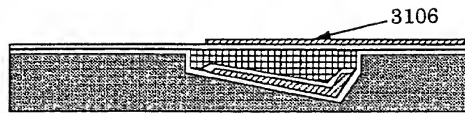
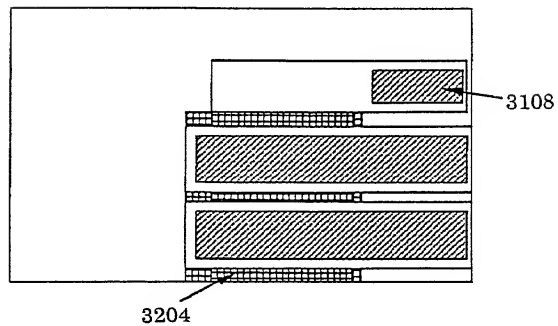


FIG. 129B



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FIG. 130A

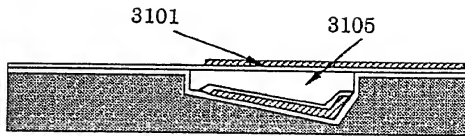
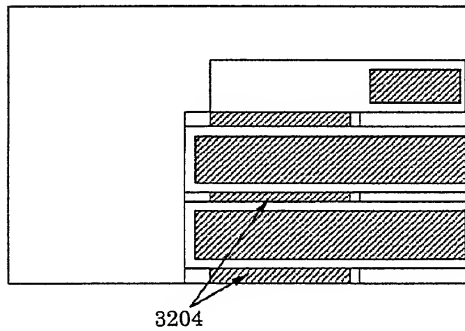


FIG. 130B



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FIG. 131A



FIG. 131B

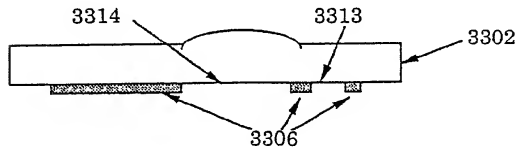


FIG. 131C

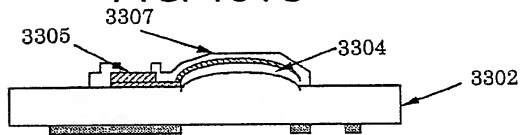
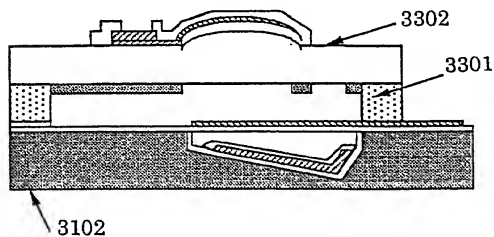


FIG. 131D



FIG. 131E



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FIG. 132A

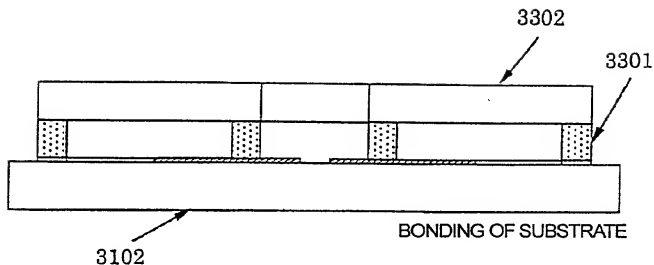


FIG. 132B

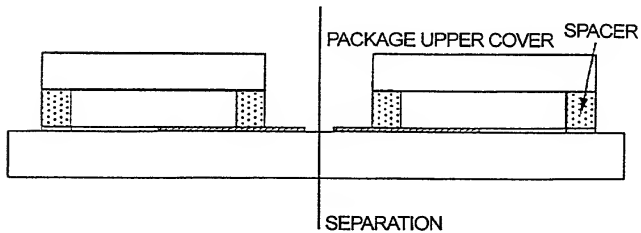
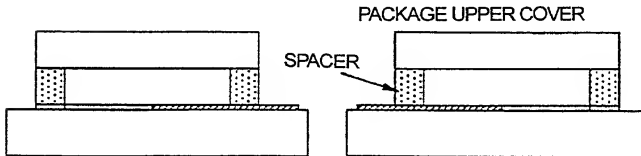


FIG. 132C



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FIG. 133A

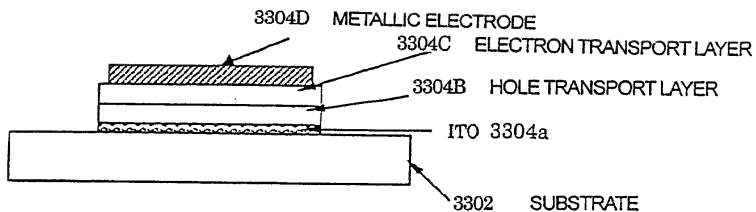
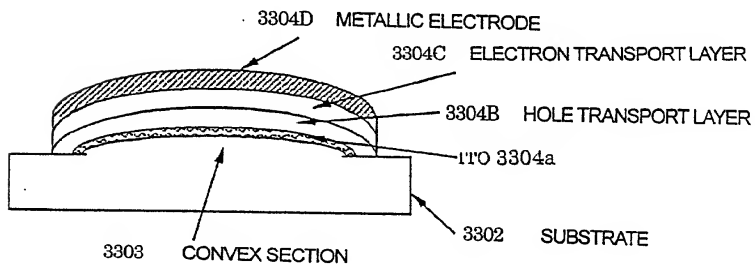
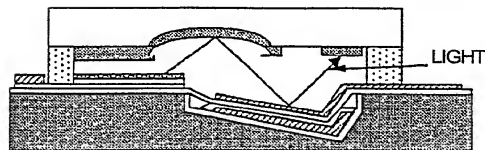
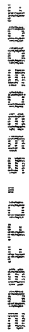


FIG. 133B





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FIG. 135A

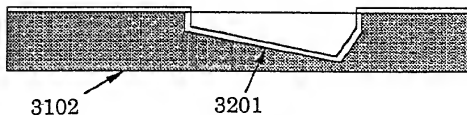


FIG. 135B

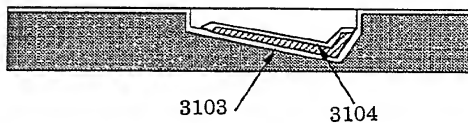


FIG. 135C

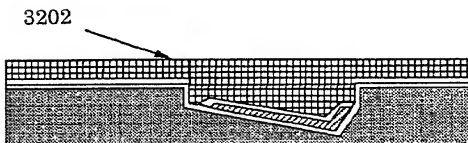
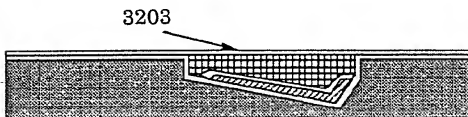


FIG. 135D



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FIG. 136A

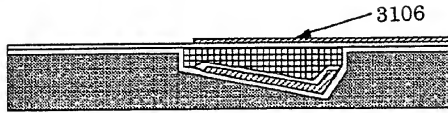
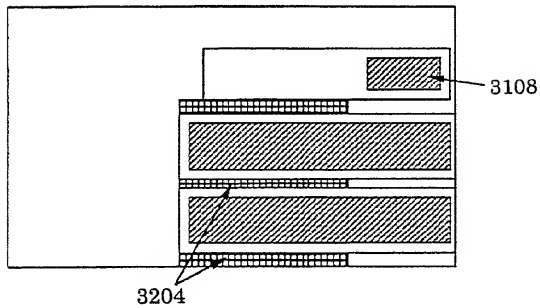


FIG. 136B



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FIG. 136C

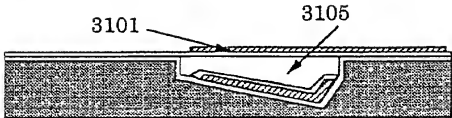
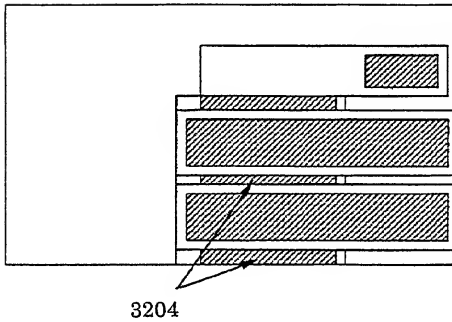


FIG. 136D



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FIG. 137A

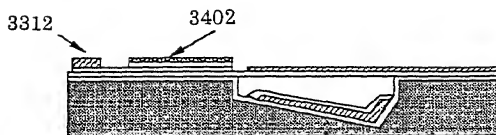
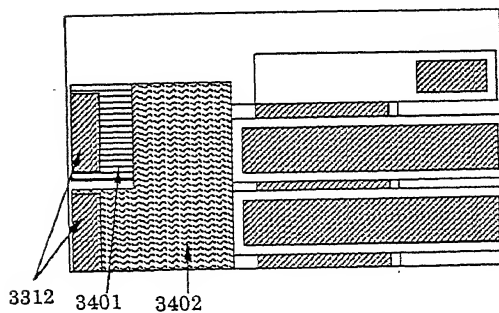


FIG. 137B



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FIG. 137C

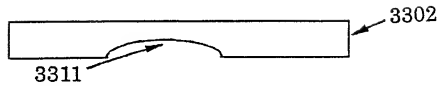


FIG. 137D

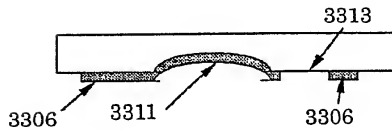


FIG. 137E

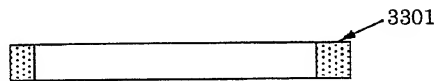


FIG. 137F

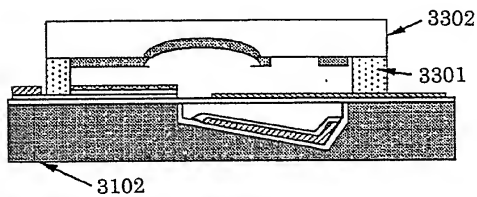
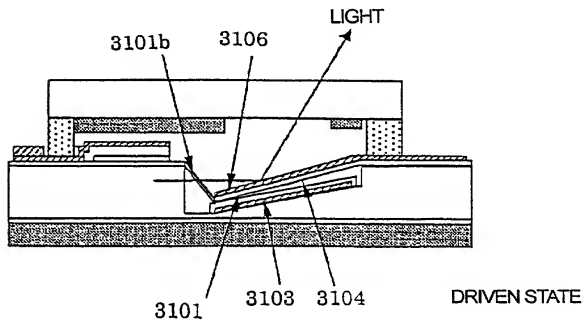
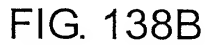


FIG. 138A



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FIG. 139A

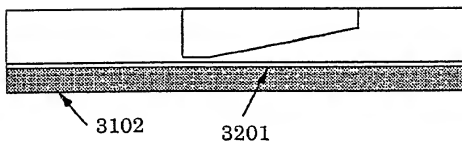


FIG. 139B

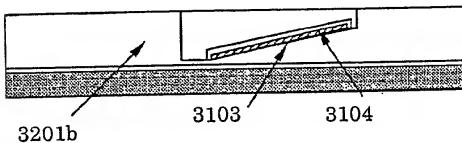


FIG. 139C

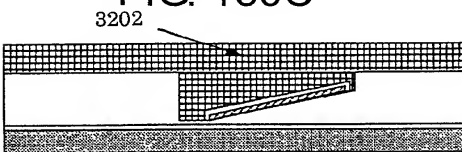
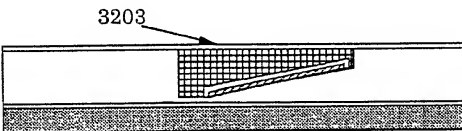


FIG. 139D



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FIG. 140A

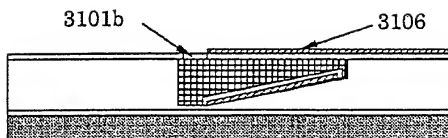
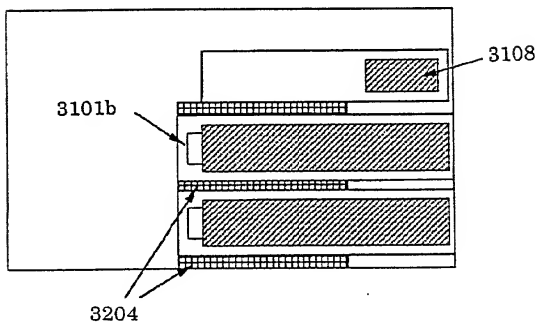


FIG. 140B



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FIG. 140C

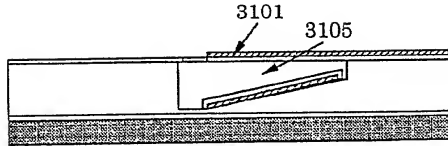
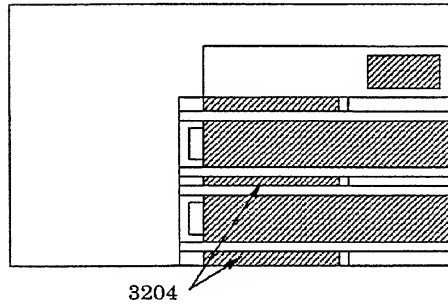


FIG. 140D



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FIG. 141A

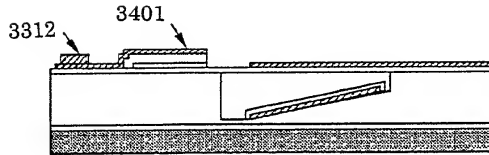
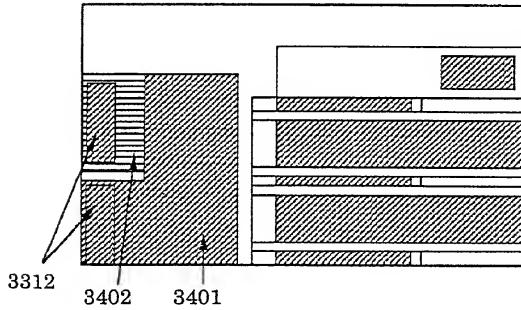


FIG. 141B



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FIG. 141C

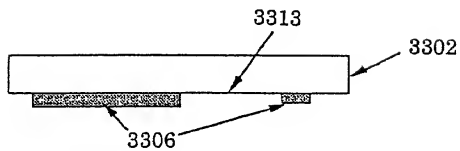


FIG. 141D

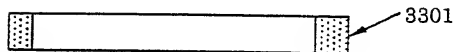
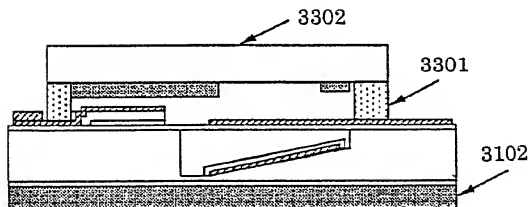


FIG. 141E



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FIG. 142

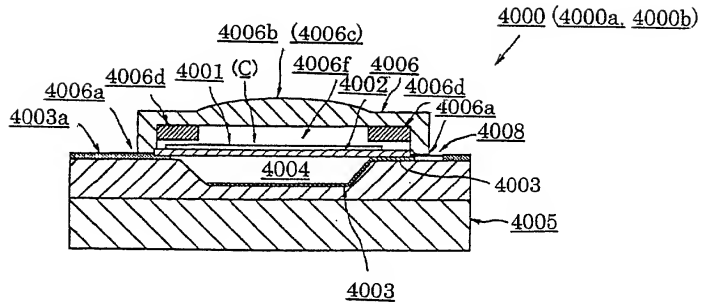
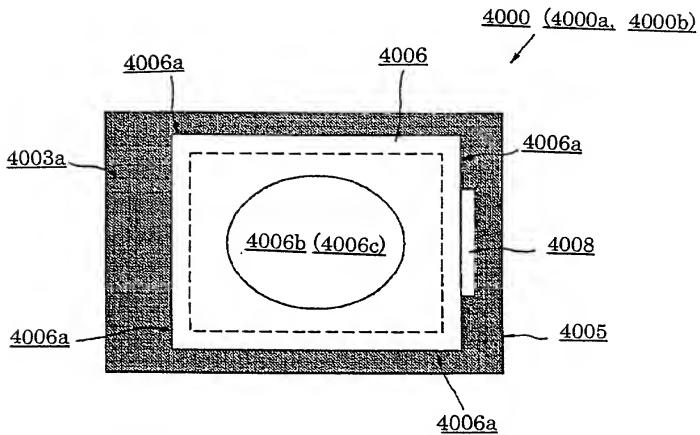


FIG. 143



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FIG. 144

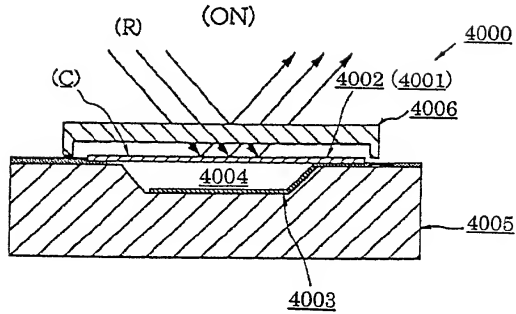
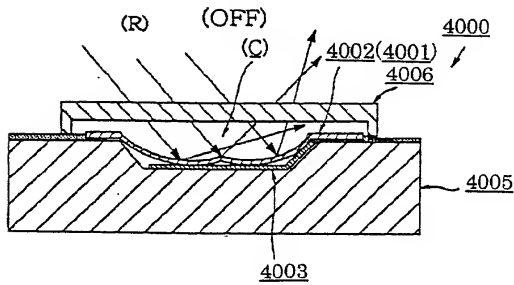


FIG. 145



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FIG. 146

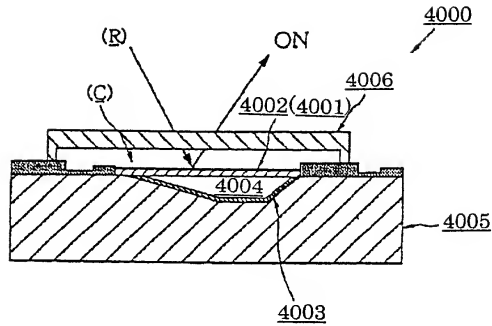
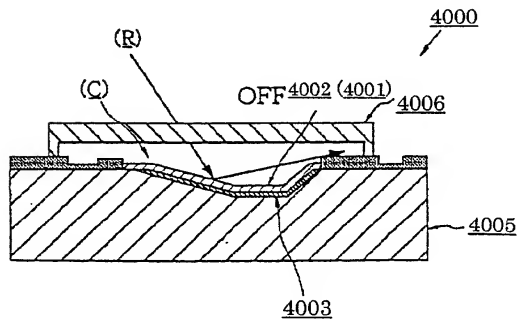


FIG. 147



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FIG. 148

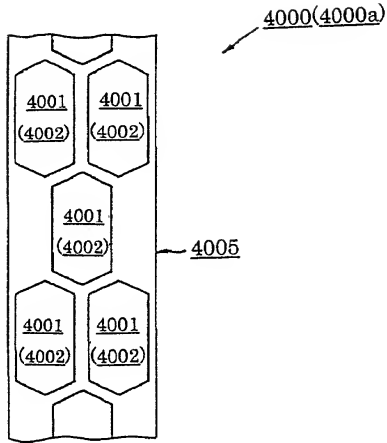
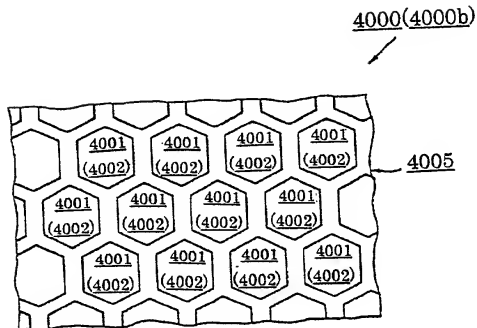
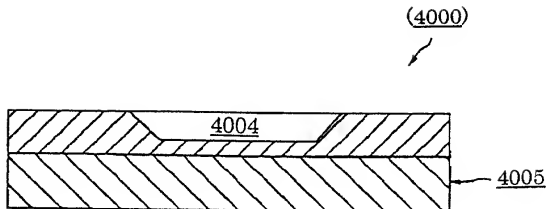


FIG. 149



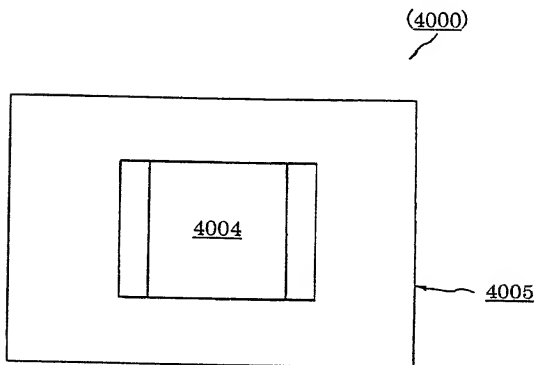
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FIG. 150



(a)

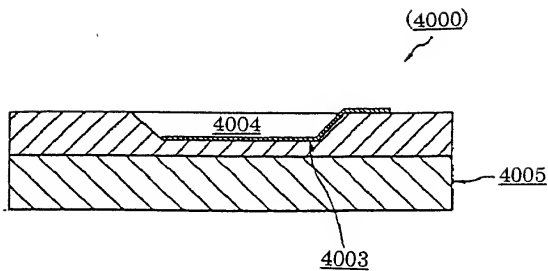
FIG. 151



(a)

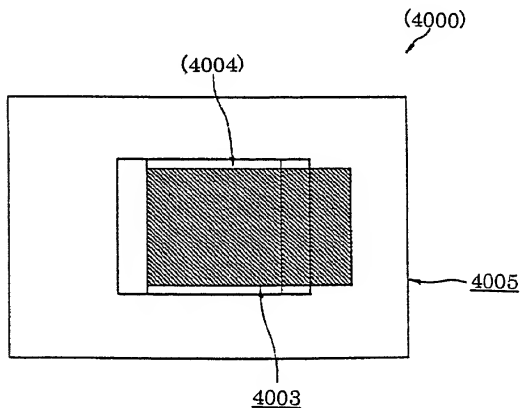
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FIG. 152



(b)

FIG. 153

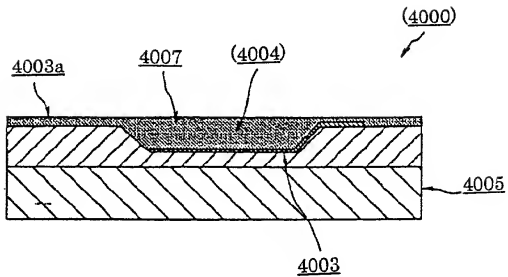


(b)

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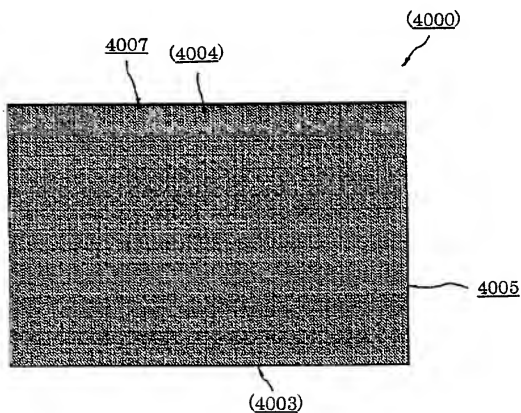
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FIG. 154



(c)

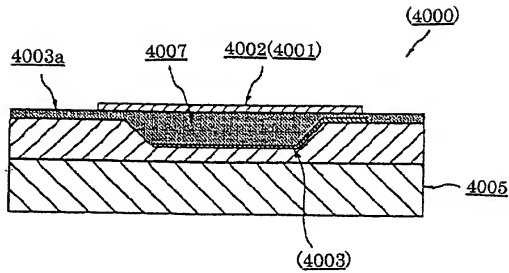
FIG. 155



(c)

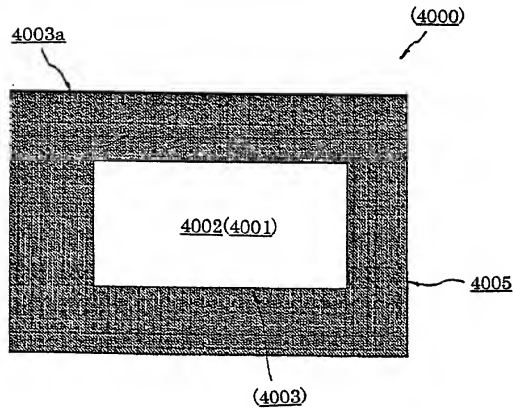
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FIG. 156



(d)

FIG. 157

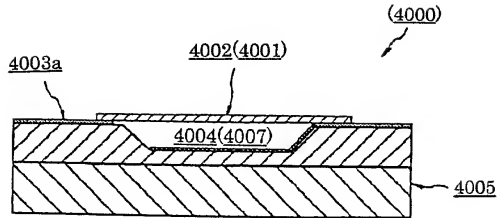


(d)

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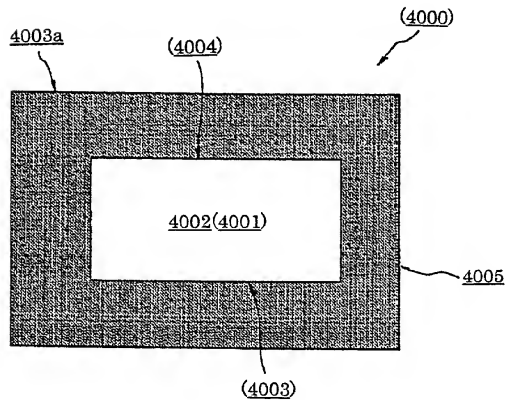
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FIG. 158



(e)

FIG. 159

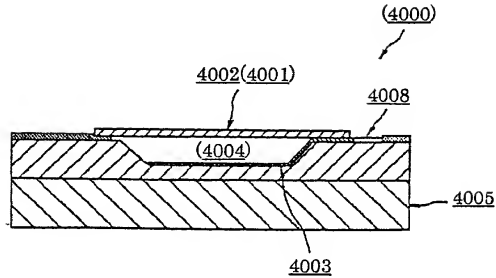


(e)

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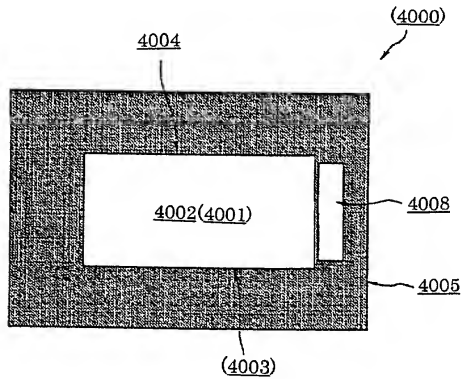
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FIG. 160



(f)

FIG. 161



(f)

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FIG. 162

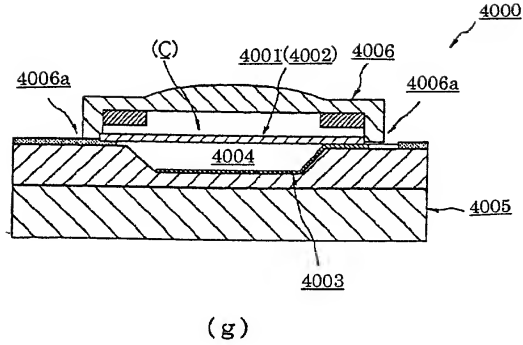
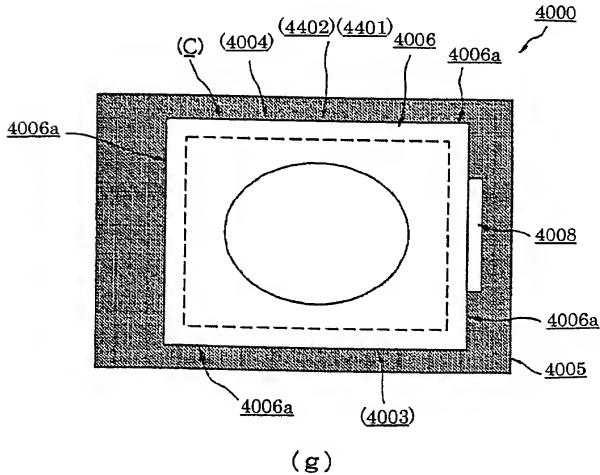


FIG. 163



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FIG. 164

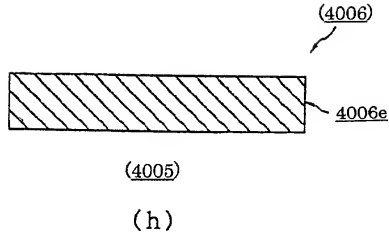
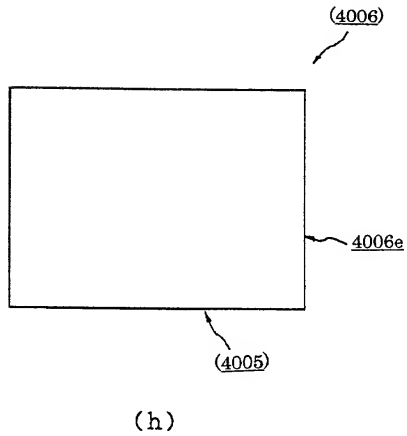


FIG. 165



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FIG. 166

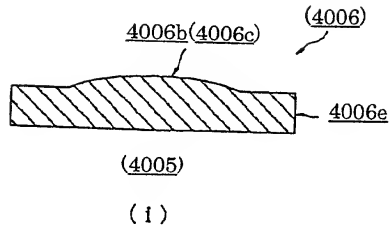
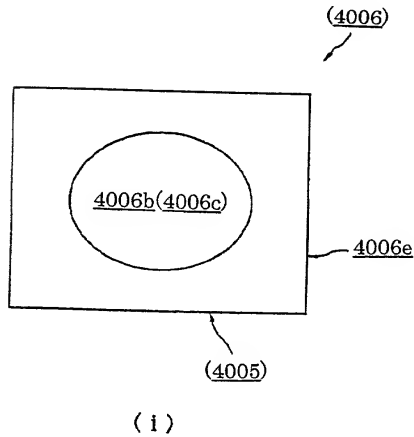
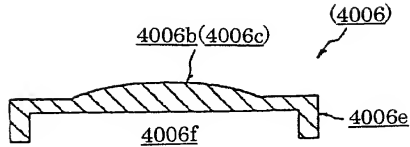


FIG. 167



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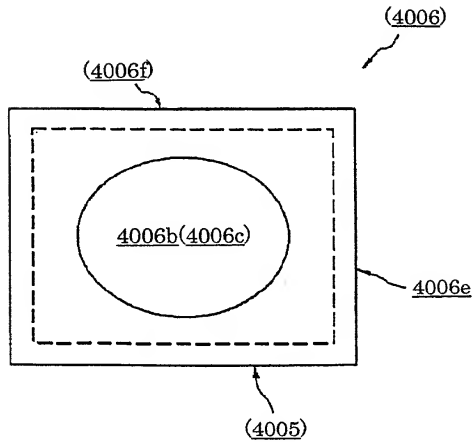
FIG. 168



(5)

(j)

FIG. 169



(j)

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FIG. 170

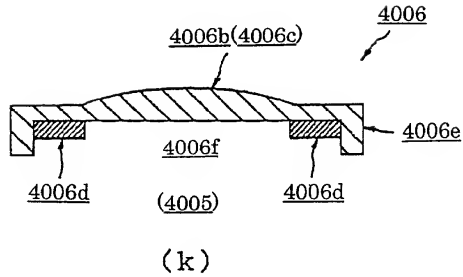


FIG. 171

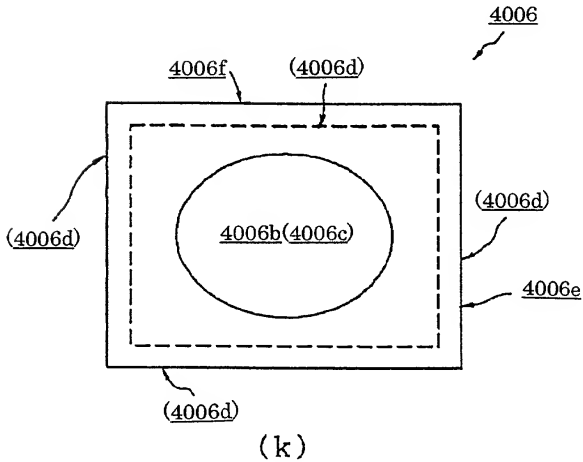


FIG. 172

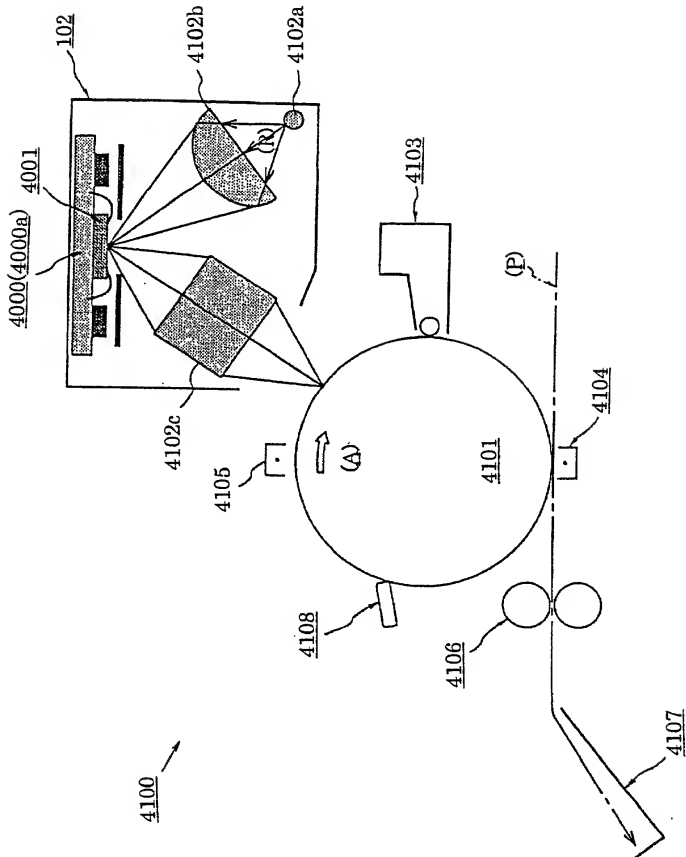


FIG. 173

